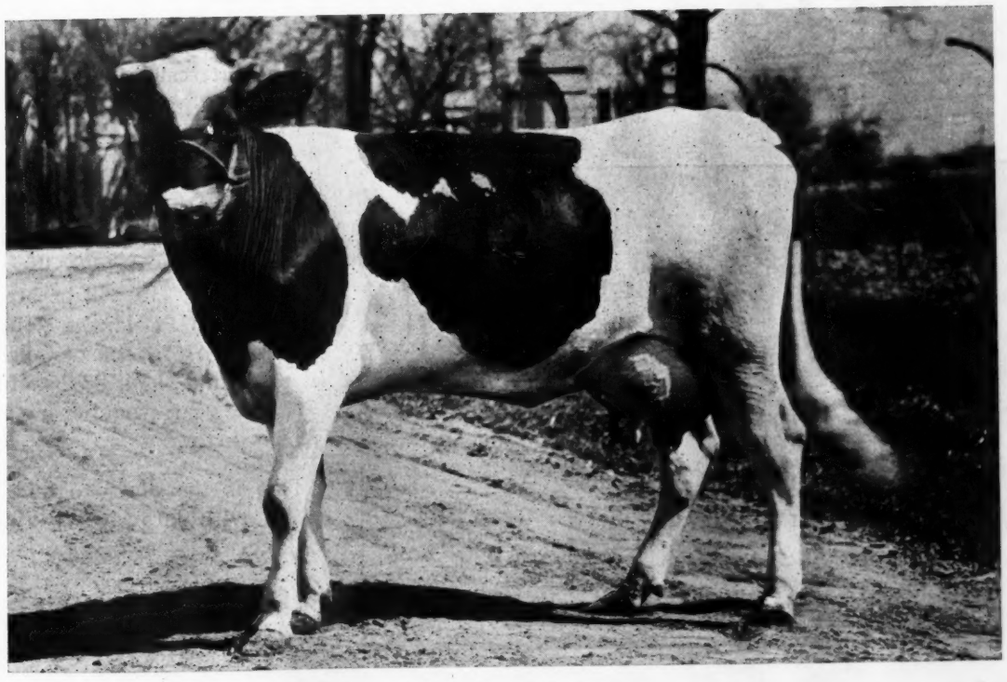
HOLSTEIN-FRIESIAN WORLD

EASTERN EDITION SYRACUSE, N. Y. JULY 1, 1916



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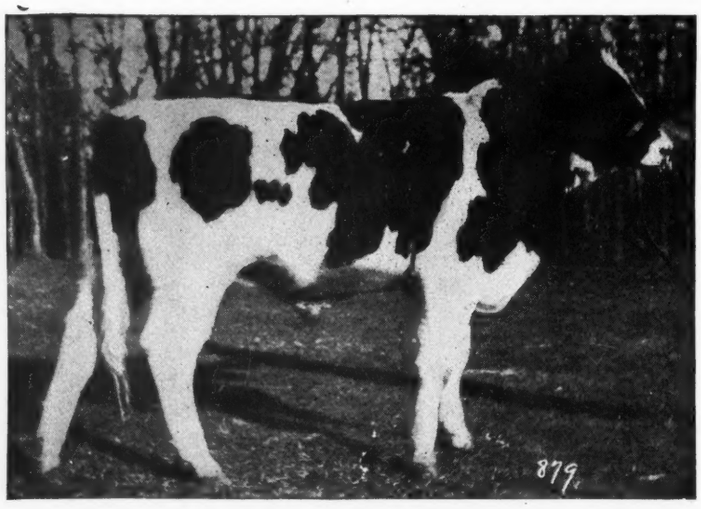

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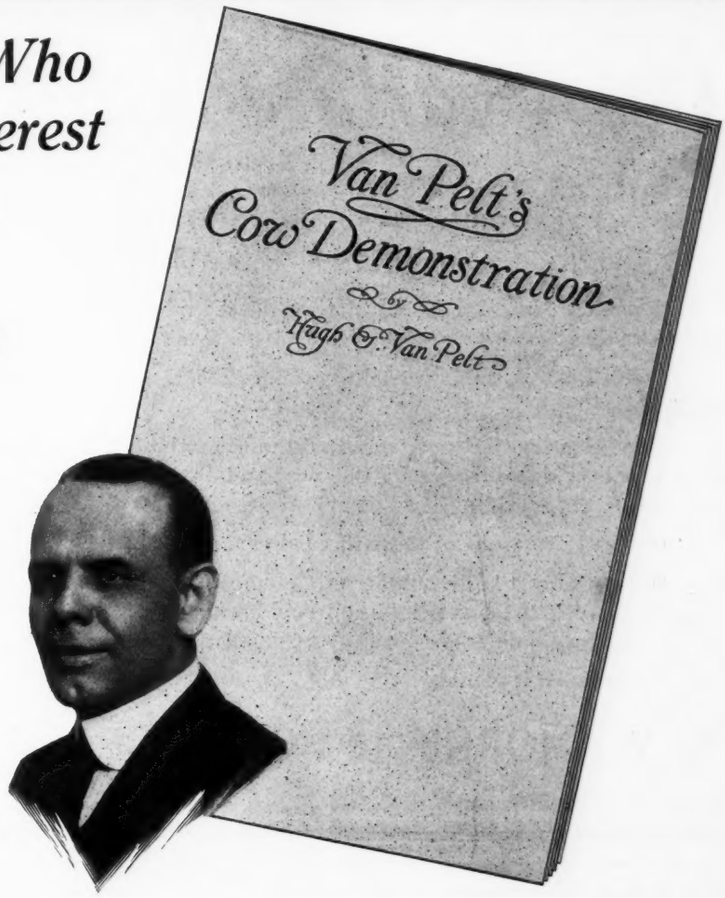

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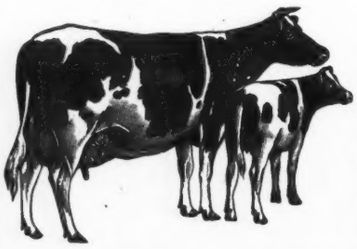

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Holstein-Friesian World

VOL. XIII SYRACUSE, N. Y., JULY 1, 1916 NO. 27

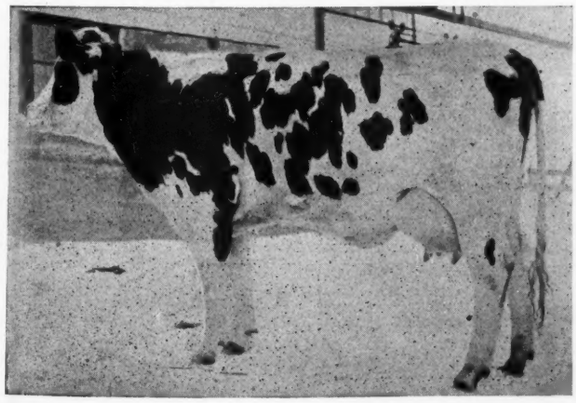
Coming Sires of the Breed

By HAROLD McALISTER

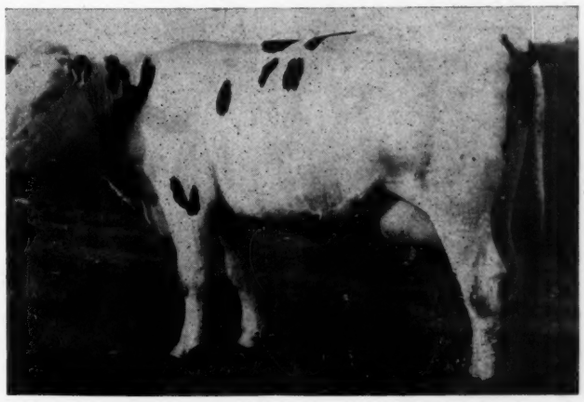
IT is an interesting matter to try and peer ahead into the future and attempt to discover which will be the coming great sires of the next few years. At the first glance this would seem as difficult to prophesy as to whom will be the next 40 lb. cow of the breed, but while it is decidedly unsafe to predict what a cow will do at full age, it is an entirely different matter with a bull. In the first place, the old adage that "like breeds like" is more likely to prove true in a bull than a cow. The making of a great record is largely a matter of luck whether a cow comes in exactly right or not and whether she will give the fat off her milk. Probably for every 30-lb. record made in America there are a dozen 30 lb. cows living to-day who would make that mark if they were in the right hands and calved under favorable circumstances. With a bull the matter of luck is almost altogether eliminated, as he has generally enough daughters to make records to demonstrate beyond doubt as to his prepotency. Thus it may happen that a daughter of a 40 lb. cow might be every bit as great a producer as her mother, but she might not even make 30 lbs. of butter owing to the fact that she never calved under as favorable conditions as her dam or lose a quarter of her udder. There has been of course some exceptionally well bred bulls who have not made good, but that fact has been mainly due perhaps because they have not been bred to any very large producing cows and their daughters have not been in the right hands to make records. In fact we have yet to know of an instance where a very well bred bull that has been used in a good herd and his daughters given the right kind of opportunity who has not had a long list of high record daughters. With a great producing ancestry and with a good herd to be used in, there is nothing more certain, outside of death and taxes, than that a bull will prove his prepotency.

Then if the first daughters of a sire make good two-year-old records there is but little danger but what they will do proportionately as well at maturity. With these three great factors to go on therefore, breeding, opportunity, and the records of their first daughters, we have most splendid foundation for determining which will be the sires of the world's record cows of the next generation.

The bull we have first on the list and who combines these three qualities each to a most exceptional degree is Rag Apple Korndyke 8th. He is a son of Pontiac Lady Korndyke, who made the world's records of 38.05 lbs. butter in seven days and 156.93 lbs. in thirty days, and although her records were made over four years ago, her thirty day test is still the eighth highest of the breed. Her dam is the 29.14 lb. cow Lady Pontiac Pauline De Kol, who was sold for $1,330 at the Dollar sale when over 14 years of age. She is the dam of two other producing daughters besides Pontiac Lady Korndyke, who are Fairview Lady Korndyke De Kol 27.78 lbs. and Fairview Lady Pauline Korndyke 24.43 lbs. The sire of Rag Apple Korndyke 8th is, as his name indicates, Rag Apple Korndyke, who has 27 A. R. O. daughters including Fairview Rag Apple De Kol, 37.09 lbs., Star Farm Cornucopia Rag Apple, 30.11 lbs., Countess Jolie Johanna 2d, 28.82 lbs., Fairview Pontiac Pet Korndyke, 28.18 lbs., and ten others above 20 lbs. of butter. He is a son of Pontiac Rag Apple, who made 31.62 lbs. as a senior four-year-old, holding the second highest record in her class when made. The two nearest dams of Rag Apple Korndyke 8th aver-

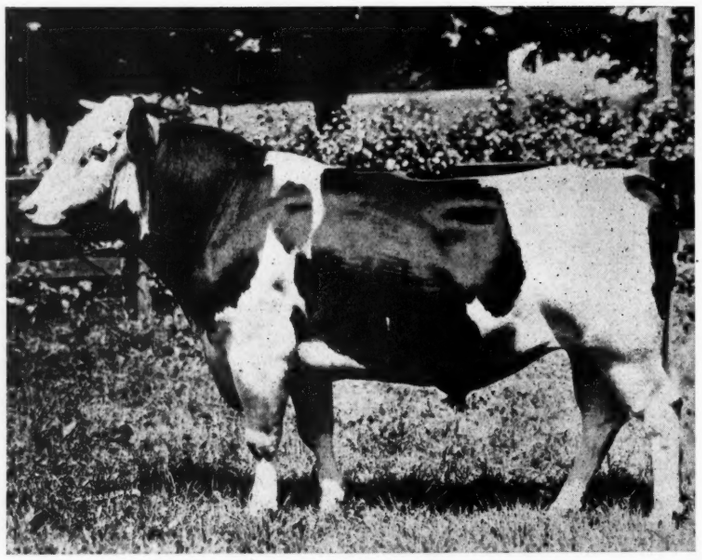


K. K. S. V. CORA



K. K. S. V. BESSIE

age 34.82 lbs. for seven days and 141.74 lbs. thirty days, the average for seven and thirty days being the second highest in the world of any sire in service for some time. The greatest claim that is made for Rag Apple Korndyke 8th is that he carries 75 per cent of the blood of the great old sire Pontiac Korndyke, tracing to him through four direct crosses. His sire Rag Apple Korndyke, his sire's dam Pontiac Rag Apple, his dam Pontiac Lady Korndyke and his dam's dam Lady Pontiac Pauline De Kol. With the exception of one other bull, Sir Fairview Korndyke, who contains 87½ per cent of the same blood as Pontiac Korndyke, Rag Apple Korndyke 8th may be said to be the most intensely inbred bull in the world. Rag Apple Korndyke 8th was comparatively unknown even with all of these qualifications until the Dollar Estate sale, in which he was purchased for $25,000 by Oliver Cabana, Jr., Elma Center, N. Y., the highest price ever paid for a bull at public auction, and he sprung into the greatest prominence over night. In the Cabana herd Rag Apple Korndyke 8th is being used in a herd of over 200 cows, of which twenty have records of over 30 lbs. of butter. His daughters will be given every chance to make good records and considering the fact that this is the only herd to ever produce two 40 lb. cows and one of whom holds all the world's butter records from one to a hundred days by the widest margins, it would seem as if Rag Apple Korndyke 8th could not be in any better hands to demonstrate his true value. As breeding plus opportunity always gives large records, so do we find it in this case, only there are world's records in the bargain. The first 10 daughters of Rag Apple Korndyke 8th have made the following records:

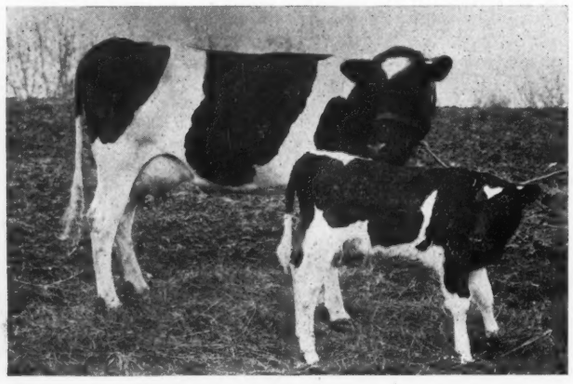


KING KORNDYKE SADIE VALE

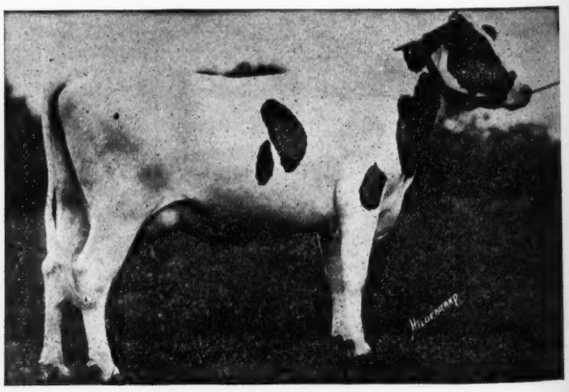
Fairview Korndyke Pietertje, 2y., 30.18; Fairview Empress Rag Apple, 2y., 22.42; Fairview Pontiac Rag Apple, 2y., 21.14; Rag Apple Korndyke Pontiac, 1y., 20.37; Amy Rag Apple Colrain, 2y., 20.17; Fairview Belle Pietertje, 1y., 20.07; Dora Rag Apple Pontiac, 1y., 18.76; Lady Korndyke Rag Apple, 2y., 15.80 Fairview Hengerveld Rag Apple, 2y., 15.14; Lucela Rag Apple Colrain, 2y., 14.68. Average, 19.873.

The first ten daughters of Rag Apple Korndyke 8th, seven two-year-olds and three yearlings, average 19.87 lbs. of butter at an average age of twenty-five months. Six of the ten produced over 20 lbs. of butter, thus giving him quite a remarkable percentage of 20 lb. two-year-olds. His lowest record daughter, Lucela Rag Apple Colrain, made 14.68 lbs. of butter, which shows very good uniformity in the records of his daughters considering the different hands under which their records were made, as only six of the ten made their tests in the Pine Grove herd. If the four making their records in outside herds were not counted in, three of them being the three lowest on the list, the average would thus be considerably higher. While this average has been slightly excelled by those of some other sires, yet it must be remembered that the first daughters of Rag Apple Korndyke 8th to make records were not of good size and were bred at an immature age owing to the fact that the Dollar herd was neglected for over a year previous to its dispersion and the stock was not in good flesh when they calved. Then also the first daughters were all from comparatively low record dams or from untested cows, thus showing their producing qualities were inherited from the sire's side instead of the dam. Rag Apple Korndyke 8th is the only sire of a 30 lb. junior two-year-old and this record was made at the immature age of two years and twenty days. This great heifer, Fairview Korndyke Pietertje, produced 4.60 lbs. butter in one day, or at a 32.21 lb. rate, and 74.5 lbs. of milk in 24 hours, thus proving that she also gave a good quantity of milk. She made 30.18 lbs. butter from 500 lbs. milk in seven days and 117.29 lbs. butter from 2030.8 lbs. milk in thirty days. This is equal to a full aged production of 45.27 lbs. butter from 750 lbs. milk in seven days and 175.93 lbs. butter from 3046.2 lbs. milk in thirty days. These computed records for seven days would excel that of the world's butter champion, Ormsby Jane Segis Aaggie, by .85 lbs. butter and 38.5 lbs. milk, but would fall short of her thirty day test by 7.23 lbs. butter from 195.3 lbs. milk. Fairview Korndyke Pietertje's record for her age is thus the greatest ever made for seven days, although the superior persistency of Ormsby Jane Segis Aaggie still makes her thirty-day record unapproached no matter what the advantage may be given to her rivals.

The bull that has had perhaps more persistent advertising bestowed upon him and who is being given the greatest opportunity that has ever been afforded to any bull is King Segis Pontiac Alcartra. He is sired by King Segis Pontiac, who has 42 A. R. O. daughters including

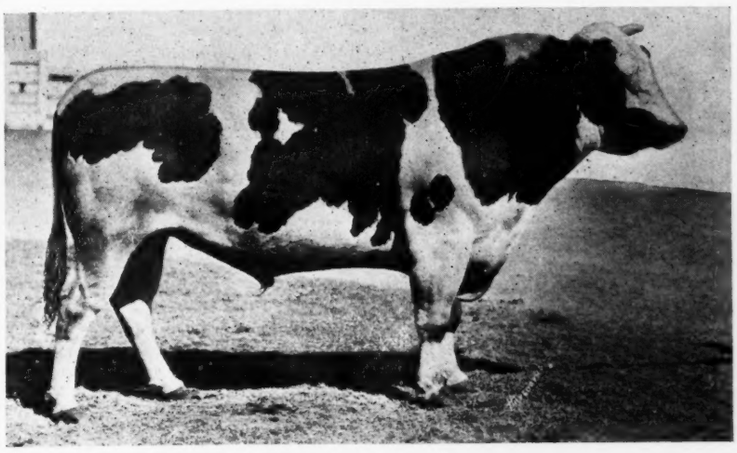


BEAUTY GIRL PONTIAC SEGIS



FAIRVIEW PONTIAC RAG APPLE

K. S. P. Ruby, 30.91 lbs., K. S. P. Dione, 29.15 lbs., Empress Pontiac Hengerveld, 28.15 lbs., and 15 others above 20 lbs. of butter. The sire of King Segis Pontiac is King Segis, who has nine 30 lb. daughters and twenty 30 lb. granddaughters, and his dam is Pontiac Clothilde De Kol 2d, the first 37 lb. cow of the breed. The dam of King Segis Pontiac Alcartra is K. P. Alcartra, who made 30.87 lbs. butter in seven days and 121.29 lbs. in thirty days as a senior three-year-old, both world's records when made, and she is sired by King of the Pontiacs and her dam is Alcartra Polkadot Ormsby, who has a record of 31.25 lbs. butter. King Segis Pontiac Alcartra is being used on a longer list of high record cows than any other bull of the breed, being bred to over sixty 30 lb. cows yearly in the Arfmann and Lawson herds, and it was to be expected that with his unequalled opportunity and his wonderful breeding that his daughters would make great records. In the fiscal year of 1914-15 five out of the first eight daughters crossed the 20 lb. mark as two-year-olds and one, Woodcrest Pietje Pontiac, made 25.20 lbs. butter in seven days and 102.01 lbs. in thirty days:

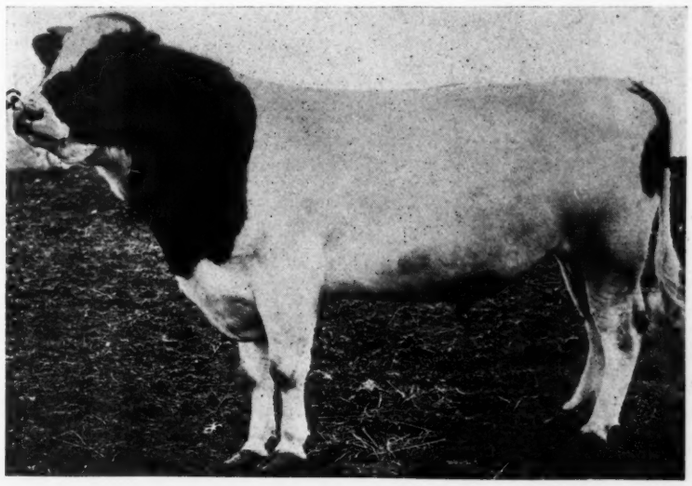


KING SEGIS PONTIAC ALCARTRA

Woodcrest Pietje Pontiac, 2½y., 25.20; Fairmont Queen, 2y., 22.37; Fairmont Pauline De Kol, 2½y., 21.38; Fairmont Queen Segis Hartog, 2½y., 21.06; Fairmont Alcartra Belle, 2y., 20.01; Fairmont Duchess Alcartra, 2y., 16.12; Segis Alcartra Ormsby, 2y., 13.15; Fairmont Segis Polkadot, 2y., 12.82. Average, 19.04.

The first eight daughters of King Segis Pontiac Alcartra thus averaged 19.04 lbs. butter for seven days, but his list of A. R. O. daughters has lately been increased to seventeen, of which nine have made above 20 lbs. as two-year-olds. Fairmont Queen Segis Hartog made 29.60 lbs. as a three-year-old and Fairmont Meta Ward made 27.20 lbs. as a senior two-year-old, giving King Segis Pontiac Alcartra two daughters that averaged 26.20 lbs. of butter as two-year-olds, which is an average that is approached by but four other sires no matter how many A. R. O. daughters they might have.

A three-quarter brother to King Segis Pontiac Alcartra and one who is making a most remarkable showing with his daughters, especially considering his lack of opportunity as compared with some of his rivals, is King Segis Pontiac Count. He is a son of King Segis Pontiac out of K. P. Lilith Clothilde, who made 29.04 lbs. and as a junior four-year-old broke the world's milk record for the year, giving 22229.8 lbs. milk and 1043.27 lbs. butter in 365 days. His list of daughters is as follows:



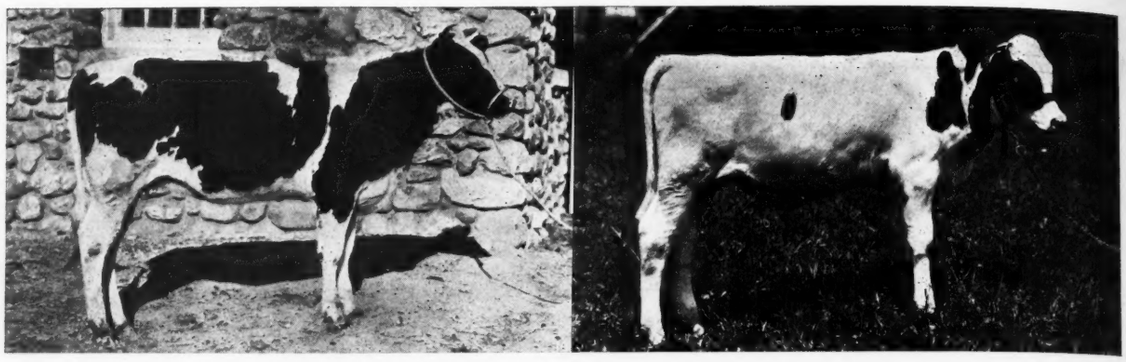
KING SEGIS PONTIAC COUNT

Beauty Girl Pontiac Segis, 2y., 28.75; Jewel Pontiac Segis, 2y., 28.03; Lady Hendryke De Kol 3d, 2y., 21.80; Watson Segis Pontiac, 1y., 20.87; May Pontiac Segis, 2y., 20.23; Lola Pontiac Segis, 1y., 20.12; Netherland Johanna Pontiac Segis, 2y., 19.94; Beauty Beets Segis, 1y., 19.45; Floa Walker Pontiac Segis, 2y., 18.73; Oak De Kol Segis, 2y., 18.66; Lone Star Pontiac, 2y., 17.35; Princess Changeling Segis, 2y., 15.96; Silver Bow Pontiac Segis, 2½y., 15.82. Average, 20.43.

No other sire has two junior two-year-olds to make over 28 lbs. butter in seven days or over 113 lbs. in thirty days. His best daughter, Beauty Girl Pontiac Segis, broke the world's records in her class by making 28.75 lbs. butter from 507.4 lbs. milk in seven days, 116.488 lbs. butter from 2088 lbs. milk in thirty days and 218.62 lbs. butter from 4041.5 lbs. milk in sixty days. Her record for sixty days still stands unequalled, while her record for thirty days is only surpassed by .81 lbs. of butter by Fairview Korndyke Pietertje. His other great daughter, Jewel Pontiac Segis, made 28.03 lbs. butter from 590.3 lbs. milk in seven days and 112.51 lbs. butter from 2493.8 lbs. milk in thirty days. Only one other heifer has ever made as much milk in thirty days as a junior two-year-old, Aaggie Phoebe Cornucopia, who gave 2725.4 lbs. milk in a month. No other junior two-year-olds, however, have surpassed either of these two great heifers for both milk and butter for seven or thirty days and both of them exceed the former world's record for thirty days of Finderne Pontiac Netherland of 110.72 lbs. butter. For seven days these daughters of King Segis Pontiac Count hold second and fourth place in the junior two-year old division, while for thirty days they hold second and third place. The yearly records of his dam K. P. Lilith Clothilde, 1043.27 lbs., and his sire's dam, Pontiac Clothilde De Kol 2d, 1271.6 lbs., average 1157.43 lbs. butter, which is the highest average for 365 days that we have ever seen for the two nearest dams of any Holstein bull. King Segis Pontiac Count is owned bv Senator Hackney of St. Paul, Minn.

The bull whose daughters have made perhaps the most sensational records ever recorded by the first daughters of any sire is King Korndyke Sadie Vale. He is a son of King Segis De Kol Korndyke, who is the sire of the world champion junior four-year-old, Mabel Segis Korndyke, 40.32 lbs., King Segis De Kol Korndyke Topsy, 33.10 lbs., Korndyke De Kol Clothilde, 31.20 lbs., Abbekerk Korndyke Segis, 30.42 lbs., and eleven others above 20 lbs. of butter. His dam is Sadie Vale Concordia 4th, who made 41.06 lbs. butter from 691.4 lbs. milk in seven days and who is the dam of Sadie Vale Concordia 4th's Pietje, who made 38.44 lbs. butter. The first nine daughters of King Korndyke Sadie Vale to freshen have made the following records:

K. K. S. V. Cora, 2y., 26.62; K. K. S. V. Edith Veeman, 2½y., 26.29; K. K. S. V. Kate Pontiac, 2y., 26.15; K. K. S. V. Topsy, 3y., 24.10; K. K. S. V. Lola Hengerveld, 2½y.,



A DAUGHTER AND A SON OF KING SEGIS PONTIAC ALCARTRA

23.25; K. K. S. V. Florence Veeman, 2y., 22.29; Daisy Veeman Sadie Vale, 2y., 22.05; K. K. S. V. Mabel Veeman, 2½y., 21.55; K. K. S. V. Bessie, 1y., 21.31. Average 23.73.

The average of 23.73 lbs. butter for the first nine daughters of King Korndyke Sadie Vale with the first calf at an average age of less than two and a half years sets a record that will perhaps stand for many years yet to come. He is the only sire to have three two-year-old daughters each above 26 lbs. at an average age of less than thirty months. The most wonderful feature about his daughters, however, is the great uniformity in their records, the lowest one making 21.31 lbs. butter as a yearling.

A close rival to King Korndyke Sadie Vale is his half brother, King Pontiac Segis Korndyke, who is owned by Bernhard Meyer, Finderne, N. J. He is sired by King Segis De Kol Korndyke, who is the only 37 lb. bull of the breed to have four 30 lb. daughters. His dam is Beauty Rauwerd De Kol, who made 30.54 lbs. butter from 709.9 lbs. milk in seven days and 120.98 lbs. butter from 2914.4 lbs. milk in thirty days, averaging 101.4 lbs. milk per day for the week and 97.14 lbs. milk for the month. She is a daughter of Pietertje Hengerveld Count De Kol, who has 99. A. R. O. daughters including four above 30 lbs. of butter, and her dam is Beauty Rauwerd 2d, who has a 20.38 lb. record. His daughters have made the following records:

Finderne Dream Korndyke, 2y., 26.37; Finderne Ruby Korndyke, 2½y., 24.66; Finderne Rosalind Korndyke, 2y., 23.32; Finderne Soldene Fayne Korndyke, 2y., 22.78; Finderne Howtje Korndyke, 2½y., 21.25; Finderne Soldene Korndyke, 2y., 20.75; Finderne Butter Girl Fayne 2d, 2½y., 20.28; Finderne Netherland Korndyke, 2½y., 19.28; Finderne Valdessa Korndyke, 1y., 19.16; Finderne Pride Korndyke, 2½y., 18.20. Average 21.605.

The first ten daughters of King Pontiac Segis Korndyke averages 21.61 lbs. butter, which is an unequalled average for the first ten daughters of any bull, although it will probably soon be surpassed by the first ten daughters of King Korndyke Sadie Vale. Seven of his daughters made over 20 lbs. butter as two-year-olds, which already gives him a very high position as a sire of 20 lb. two-year-olds with only ten daughters tested. One of his daughters, Finderne Dream Korndyke, made 26.37 lbs. butter, which, together with the two 26 lb. junior two-year-old daughters of his brother, King Korndyke Sadie Vale, gives his sire, King Segis De Kol Korndyke, the distinction of being the only bull of the breed which is the grandsire of three daughters with records of over 26 lbs. at an age less than thirty months each. King Pontiac Segis Korndyke has probably been bred to more world's record cows past and present than any other bull living to-day, including Valdessa Scott 2d, the first 40 lb. cow; Finderne Pride Johanna Rue, the former world's record cow for yearly production and the only cow to make 36 lbs. of butter eight months after freshening; Finderne Holingen Fayne, the world's record junior three-year-old for every length of time from seven days to a year; Finderne Mutual Fayne, the world's record junior two-year-old for yearly production, and many othrs of almost equal note. He is being used in a herd where there have been more 30-lb., 35-lb. and world's records made than in any other herd. With these qualifications and advantages, therefore, we must place King Pontiac Segis Korndyke in the front rank with the greatest young sires of the breed.

RAG APPLE KORNDYKE 8th

Another young bull who is little known as yet, but whose daughters are making records that compare very favorably with those of any sire, is King Pontiac Artis Canada. He is the best son, records considered, of the King of the Pontiacs, who has 180 A. R. O. daughters, including 17 over 30 lbs. butter, or more than any other sire, and his dam is Pontiac Artis, who has won $296 in prize money from the Association, or more than any other cow. She made 31.71 lbs. butter in seven days, 129.43 lbs. in thirty days and 1076.91 lbs. in a year, her record standing the second highest of the breed when made. She is a full sister to Pontiac Jewel, who made 30.72 lbs. butter in seven days and 992.11 lbs. butter in a year, the records of these two sisters for a year averaging higher than the records of any other two full sisters in the world. Pontiac Artis is a daughter of Hengerveld De Kol, who has 116 A. R. O. daughters, including eleven above 30 lbs. butter. King Pontiac Artis Canada is the only 31-lb. bull in the world whose three nearest sires, King of the Pontiacs, Pontiac Korndyke and Hengerveld De Kol, have an average of 145 A. R. O. daughters each, of which 80 have records above 20 lbs. butter and twelve are over 30 lbs. In fact, there is only one other bull whose list of daughters can approach this average in any one respect and that is Pontiac Aaggie Korndyke, who has twelve 30-lb. daughters. King Pontiac Artis Canada, although not six years old until the first of July, 1916, has now 30 A. R. O. daughters, or more we believe, than any other five-year-old sire of the breed, and eleven of his two-year-olds have made over 20 lbs. of butter, which is also an unequalled record for a sire of his age. The records of his best daughters are:

Belle De Kol Pontiac, 2y., 23.27; Orouka Pontiac, 3y., 23.45; Hill Crest K. P. Rauwerd, 2y., 22.74; Artis Foekje

"I certainly would hate to be a cow and belong to a man who has not enough brains to run a HINMAN."

—Ashley S. Johnson, Prop. Dixie Holstein Herd, Founder and President Johnson Bible College

A Wonderful Appreciation of HINMAN Simplicity

Mr. Johnson hesitated a long time before buying because his cows were **very high class Advanced Registry Holsteins.**

He writes April 27, 1916:

Kimberlin Heights, Tenn.

"The cows liked it from the start. During the first milking I think only one cow raised a foot, and likely she is ashamed of that act now!

"I have used it eight months now. It is worth twice as much as it cost me. It has been run by students with frequent changes, with absolutely no trouble.

"I certainly would hate to be a cow, and belong to a man who has not enough brains to run a HINMAN.

"In repairs it has probably cost us 15c a month.

KING SEGIS PONTIAC ALCARTRA 2d, "THE $20,000 BULL" DIXIE HOLSTEIN HERD

"It is always ready, always on time, always brings the milk, lots of it! We have a cow here with an official record of over 25 lbs. of butter in seven days. We have one with an official record of close to 75 gallons of milk in seven days. We use it on her!

"I paid for my machine, and I write this not for the makers simply, but for my fellow dairymen.

"If you cannot run a HINMAN, you do not need a Milker, you need a guardian!"

(Signed) **Ashley S. Johnson**

Best Machine For Valuable Cows

because it is simplest—most gentle—cows take to it kindly. The individual pump system is most satisfactory because it applies the vacuum gradually at first with a gentle increase until full pressure is exerted. It is also the most practical and profitable. Milks regular—always the same with practically no cost for repairs. Saves time, saves hard work and in most cases increases production. **Easiest to clean—simplest in operation. No compressed air or vacuum tank—no air pipe line—no complicated mechanism.**

Write For Our FREE Catalog

OVER 20,000 SOLD

It tells how a practical dairyman invented the HINMAN—made it simple to install and operate. Shows letters and photographs from users in all parts of the country.

Tells How the HINMAN Pays for Itself In a Few Months

Hinman Milking Machine Co.

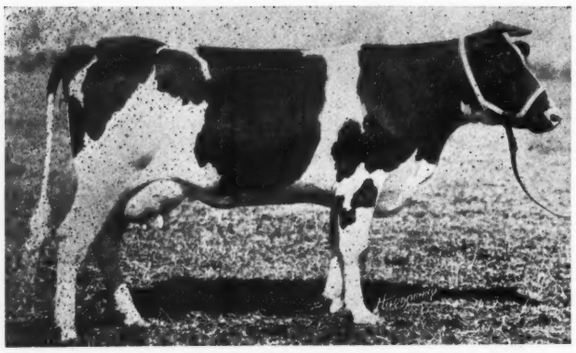
25-35 Elizabeth St. ONEIDA, N. Y.

Service Dealers Everywhere

TRADE MARK

HINMAN The Valve Chamber MILKER

SUCCESS FOR EIGHT YEARS



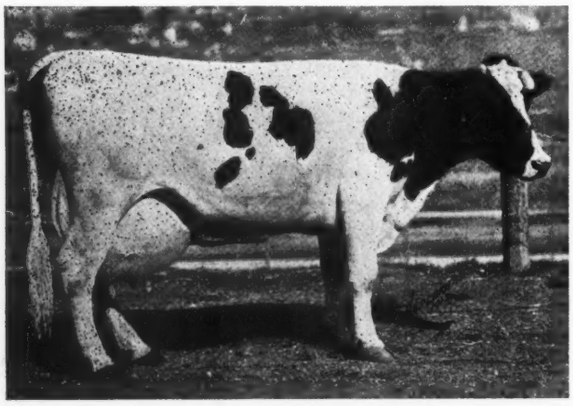
FAIRVIEW PIETERJE KORNDYKE

Pontiac, 3y., 22.74; Belle Model Queen, 2y., 22.03; Pontiac Allie, 2y., 22.01; Pontiac Senora, 2y., 21.66; Pontiac Artis Aaggie, 2y., 21.07; Pontiac Johanna Artis, 3v., 21.70; Hill Crest K. P. Countess, 2y., 20.53; and seven others from 19 lbs. to 20.20 lbs. King Pontiac Artis Canada is owned by A. C. Hardy of Brockville, Ont., Canada, and he has been bred to some of the highest record cows of the breed, including May Echo Sylvia, who is the world's champion milk cow from one day to 120 days' production, making 1005 lbs. milk in a week; Belle Model Johanna 2d, the only cow of the breed to make over 37 lbs. butter in two successive years, and several others past and present world champions. With his opportunity, breeding and the splendid records that his first daughters have made King Pontiac Artis Canada already stands forth as the greatest sire living in Canada to-day.

The leading averages of the first two-year-old daughters of the foremost younger bulls of the breed stand at the present time as follows:

	No. of daughters tested	Average
King Korndyke Sadie Vale.....	9	23.73
King Pontiac Segis Korndyke.....	10	21.61
King Segis Pontiac Count.....	13	20.43
Rag Apple Korndyke 8th.....	10	19.87
King Segis Pontiac Alcartra.....	8	19.04
King Pontiac Artis Canada.....	25	19.02

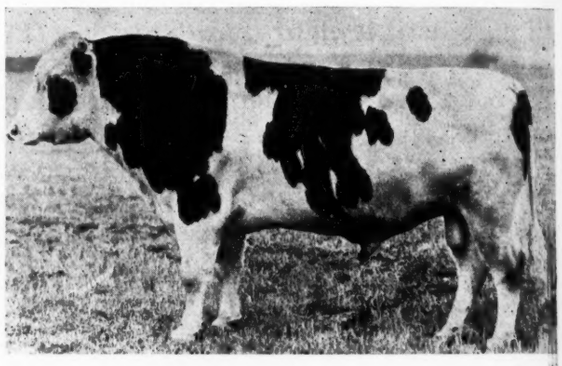
According to this test the average of the daughters of King Korndyke Sadie Vale leads his nearest rival, King Segis Korndyke, by 2.12 lbs. of butter and is 3.30 lbs. ahead of Rag Apple Korndyke 8th, and 4.69 lbs. above that of King Segis Pontiac Alcartra. We think that we have included all of the young sires of the breed with 8 or more A. R. O. daughters whose average of their daughters is over 19 lbs. of butter, but if we have left out any we would be glad to include the same or any good average of the first daughters of any sire. It will be noticed that the average of the daughters of these six bulls are several pounds higher than the first daughters of the leading six bulls five years ago and it clearly proves the onward progress that is being made in Holstein records. The average of the daughters of these six sires are also higher than the average of all the two year old daughters of the leading sires of the present time.



K. P. LILITH CLOTHILDE

	No. of two year old daughters tested.	Average.
Sir Pietertje Ormsby Mercedes.....	39	19.01
King of the Pontiacs.....	140	18.10
Sir Korndyke Pontiac Artis.....	42	18.09
King Segis	72	17.94
Pontiac Korndyke	97	17.91
Colantha Johanna Lad	70	16.50
Sir Veeman Hengerveld.....	68	16.20
Hengerveld De Kol.....	84	15.86

If the leading young sires of the breed keep up their present margin of superiority for their full aged daughters as they now exhibit over the two year old daughters of old time sires there will have to be new standards set all around by which the foremost bulls of the breed can be judged. It must be remembered, however, that the old bulls of the breed did not have the opportunity nor were they bred to as many high record cows as the present day great sires, and neither was there known as much about making records a few years ago as there is at the present time. In glancing over the list of the leading six bulls we find a remarkable similarity in their breeding. All of the six are near descendents of Pontiac Korndyke, who is the greatest sire of producing sons of the breed. Two of the bulls, Rag Apple Korndyke 8th and King Pontiac Artis Canada are his grandsons, while the other four bulls are great grandsons of Pontiac Korndyke. It will also be seen that one of the bulls, King Pontiac Artis Canada, is a son of King of the Pontiacs, while two others, King Segis Pontiac Alcartra and King Segis Pontiac Count, are his grandsons through two of of his best daughters. Four of the bulls, and three which have the highest average,



KING SEGIS PONTIAC KORNDYKE

King Korndyke Sadie Vale, King Segis Pontiac Korndyke and King Segis Pontiac Count are grandsons of the famous mating of King Segis with Pontiac Clothilde De Kol 2d, the first 37 lb. cow. King Segis Pontiac Count and King Segis Pontiac Alcartra are sons of King Segis Pontiac, which establishes him as one of the great transmitting sires of the breed through his sons. The sons of King Segis Pontiac are thus far ahead of what his daughters have done, although they might have distinguished themselves as much if they had had the same opportunity instead of being scattered throughout the different herds in the country. The two bulls whose two-year daughters average higher than any other sires in the world, King Korndyke Sadie Vale and King Pontiac Segis Korndyke, are both sons of King Segis De Kol Korndyke, proving that the latter sire transmitted equally as well through his sons as he did through his great producing daughters.

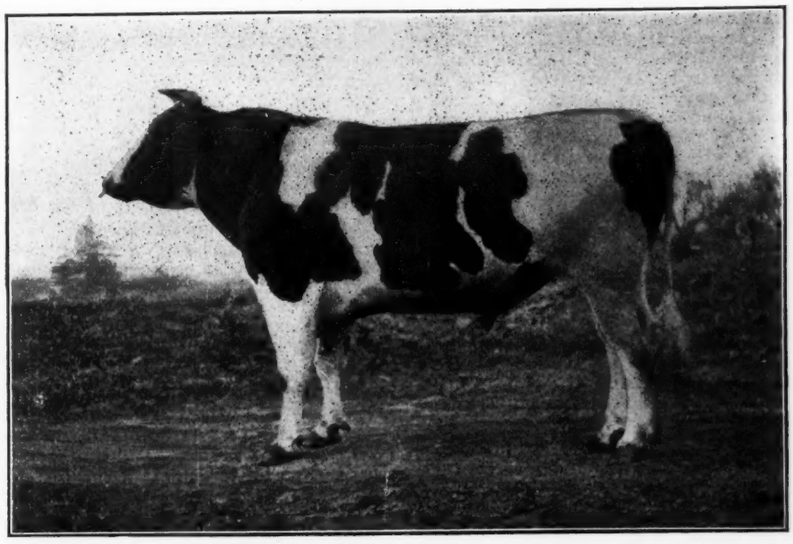
It must be remarked in the study of these sires that perhaps the opportunity afforded them has as much if not more to do with making them what they are than the bull himself. For instance, all of the six sires named but King Segis Pontiac Count, came out of great herds. They are bred to a number of high record cows and the most skilled methods are used in testing cattle. If a list of all of the great sires of the breed are considered it will also be found that the vast majority were owned by the most skillful breeders. Few indeed are the number of great bulls that have appeared in the hands of small breeders, and fewer yet on the other hand is the list of bulls that have not proved to be great if kept permanently in the herds of any large and noted breeder.

It is therefore a question as to whether it is the bull that makes the breeder or the breeder that makes the bull.

About the Best Individual Sire

Spring Farm Pontiac Cornucopia

Stands at the head of the class in individuality—he is the son of the world's first 44-lb. cow and the breed's only 44-lb. cow with a high record dam.



SPRING FARM PONTIAC CORNUCOPIA

His sons sell for long prices. They are doing service in the largest herds in the country and where their offspring will have every opportunity.

His daughters and granddaughters will make him famous as a producer.

A few small sons for sale. Write for the price, a pedigree and full description of one of these and get in line.

F. M. JONES

CLINTON NEW YORK

Feeding Dairy Cattle

By ELMER S. SAVAGE

IX. Summer Rations for Semi-Official Cows

There is not much difference between the summer rations for semi-official cows and the rations fed at other times of year. The principles are the same, plenty of succulent feed and a good grain ration. The cows that have made the best semi-official records have not depended very much on pasture although many of them have been allowed some pasture. Pasture is undoubtedly ideal so far as the feed is concerned. The drawbacks are many, however. The cow must spend much energy in getting her feed and in making a high semi-official record, she has not the energy to spare for this extra work. Second, if she must depend much on pasture, she is exposed to all kinds of weather. This is not good for her. She must not be chilled. Third and worst of all, if she goes to pasture in the day time, she is open to the attack of flies. There seems to be no fly remedy on the market as yet that is completely a repellant. They will keep them off for a while but their effect will not last for the full day.

Therefore it seems best to depend on soiling crops and a good grain ration. If the cows are turned to pasture at all they should be carefully sprayed and watched so that as little trouble can come from flies as possible. The cows should be petted and pampered more or less and fed all they will possibly eat all the time. Their individual likes and dislikes may be studied to good advantage and the cows pleased in this way. The secret is in getting them to eat and keep in good health. They cannot make the best use of this food if they must use the energy for other purposes than milk production or are distracted by improper stabling or exposure to bad weather and flies.

The author happens to have at hand the detailed feed records for May, June, July, and August, of two cows that have made over 1000 pounds of butter fat in one year. The feeding of these cows for these summer months must have been good or they never could have made these high records.

The first was fed as follows:

May, 1914. 17.5 lbs. grain daily of the following mixture: 3.8 lbs. bran, 2 lbs. hominy, 3 lbs. ground oats, 1 lb. each, wheat feed, flaxseed meal and oil meal; 4.5 lbs. D. D. grains, 1.2 lbs. gluten, 14 lbs. roots, 46 lbs. ensilage, 10 lbs. alfalfa hay, pasture 1 hour.

June, 1914. 15.5 lbs. grain daily of the following mixture: 5 parts bran and corn D. D. grains, 1.5 part hominy, 4 parts ground oats, .5 part cottonseed meal, 1 part each, Bartlett's sugar malt, Buffalo gluten, flaxseed meal and oil meal; 3 lbs. beet pulp, 41 lbs. ensilage, 10 lbs. green alfalfa and 11 lbs. alfalfa hay.

July, 1914. 18 lbs. grain daily, same mixture as given in June; 2 lbs. beet pulp, 15 lbs. each, red beets and green alfalfa; 10 lbs. sweet corn, 42 lbs. ensilage, 11 lbs. alfalfa hay.

August, 1914. 15.2 lbs. grain daily, 14 lbs. of the following mixture with 1.2 lbs. oat feed added daily: 4 lbs bran, 2.5 lbs. hominy, 3.5 lbs. ground oats, 5.5 lbs. corn D. D. grains, 2 lbs. Bartlett's sugar malt, 5 lbs. Buffalo gluten, 1 lb. each cottonseed meal, and O. P. oil meal; 2 lbs. beet pulp, 20 lbs. beets, 15 lbs. each, sweet corn and alfalfa; 36 lbs. ensilage, 9.5 lbs. alfalfa hay.

Another cow that made 1000 lbs. of butter fat in one year was fed as follows:

May, 1913. 10 lbs. grain daily of the following mixture: 250 lbs. bran, 50 lbs. each, hominy, cottonseed meal, and oil meal; 100 lbs. gluten, 3 lbs. beet pulp, 2 lbs. molasses, hay, with pasture.

June, 1913. 19 lbs. grain daily of the following mixture: 250 lbs. bran, 50 lbs. each, hominy, ground oats, cottonseed meal, and oil meal; 3 lbs. beet pulp, 2 lbs. molasses, green feed.

July, 1913. 18 lbs. grain daily of the following mixture on 1st, and from 11th to 31st, 15 lbs. daily from 2nd to 11th: 250 lbs. bran, 50 lbs. each, hominy, cottonseed meal, ground oats, and oil meal; 100 lbs. gluten, 3 lbs. each, molasses and beet pulp; corn fodder from 1st to 15th, clover from 17th to 31st.

August, 1913. 18 lbs. grain daily of the following mixture: 250 lbs. bran, 50 lbs. each, hominy, cottonseed meal, and oil meal; 100 lbs. gluten, 3 lbs. each beet pulp and molasses, corn fodder, alfalfa, clover with pasture.

The first grain mixture is a little more complicated than the second, due to the addition of sugar malt, not a common feed and it is doubtful if it made the ration any more efficient because the record of the second cow is practically as great as that of the first.

To show the kind of feeding practiced at Cornell University, the feeding of a young cow for the months of May, June, July, and August is given. She made a yearly record of 620 lbs. of butter fat, was dry eight weeks and then made a 7 day record of 24 lbs. of butter fat which put her in the 30-lb. class and she is now going well on this lactation. Her 30-day record in the present lactation is 2481.1 lbs. milk, 94.129 lbs. butter fat.

Her feed record for May, June, July, and August, 1915, is as follows:

May. 15 lbs. daily of the following grain mixture: 300 lbs. D. D. grains, 200 lbs. hominy, 200 lbs. wheat bran, 200 lbs. cottonseed meal, 100 lbs. gluten feed; 50 lbs. corn silage; 11 lbs. of hay. The last of the month the hay was dropped and some green grass fed.

June. 12 lbs. daily of the same grain mixture as in May. All the green feed (grass, peas and oats, etc.) she would eat.

July. 14 lbs. daily of the same grain mixture as in May; 50 lbs. green alfalfa until July 17th; July 18 to 24,

$10,000 PRIZE MONEY $10,000

Will be given away for daughters of

"King Korndyke Veeman"

Breed your best cows to him and be one of the winners. All of his sisters on both dams' and sires' side have made over 20 lbs. as two-year-olds. His full sister made 26.29 lbs. as a two-year-old. If breeding counts for anything, you cannot fail but win a prize with his daughters.

We will give $100 in cash for each of his daughters that will make 20 lbs. of butter or more in 7 days as a two-year-old with first calf. We will also give $100 for each one that will make 30 lbs. or more in 7 days at any age. This will give each one a chance to win $200. Those that have at any time been owned by us cannot compete.

Sire: King Korndyke Sadie Vale, who has a 41.06-lb. dam and a 37.21-lb. sire. His first 8 daughters have all made over 21 lbs. butter in 7 days as two-year-olds, three of them over 26 lbs. An unequaled showing. He also has a world's record 40-lb. four-year-old sister.

Dam: Jessie Veeman Duchess De Kol, a 33.13-lb. daughter of the great bull, Sir Veeman Hengerveld. Her two daughters have both made over 20 lbs. as two-year-olds, one of them over 26 lbs.

His calves are exceptionally nice individuals, of large sixe and very nicely marked. Write for terms and extended pedigree.

WISCONSIN STAR STOCK FARMS, Edwin M. Schultz, Hartford, Wis.

FINDERNE FARMS

OFFERS THE FOLLOWING EXCEPTIONALLY FINE-BRED YOUNG BULL FOR SALE

WAYNE FAYNE VALDESSA
No. 178946.
Born March 16th, 1916.
The records of his four nearest dams average:
Butter 7 days.....32.94
A young bull combining in the closest degree the blood of King Valdessa and the great transmitting sire, King Hengerveld Aaggie Fayne. King Valdessa in respect to high 7-day butter averages for two nearest dams, stands in a class by himself. His dam and sire's dam are respectively the first 40-lb. cow and the first 44-lb. cow.
King Hengerveld Aaggie Fayne is the youngest sire of the breed having nine 30-lb. daughters, is the only sire having five daughters with records above 35 lb., and the only sire having eight daughers make 30-lb. before coming to full age.
The dam of this bull has a good list of records and is from a 22-lb. daughter of Burke Hengerveld Beryl Wayne.
All the records in this pedigree, unless otherwise stated, are official, and the butter is figured on an 80 per cent fat basis.

KING VALDESSA
No. 137495.
The records of his dam and sire's dam average:
Butter 7 days.....43.03
Butter 30 days.....167.90
(Higher average than any other bull in the world.)
A young son of Spring Farm Pontiac Cornucopia and Valdessa Scott 2d, both of whom are so well known that very little comment is required.
Valdessa Scott 2d was the first 40-lb. cow of the breed and is the only cow to make two records above 37 lb. She also has a fine list of daughters, one making almost a 33-lb. record as a junior 4-year-old.
Spring Farm Pontiac Cornucopia was the first bull of the breed to sell in public sale for $15,000.00. He is an excellent individual and is in hands where his offspring will be developed. He is from the first and one of the two 44-lb. cows, K. P. Pontiac Lass, and by a good son of Aaggie Cornucopia Johanna Lad.

FINDERNE BERYL WAYNE FAYNE
No. 205740.
Butter 23.48
Milk 552.00
At 3 yr. 11 mo. 14 days—
Butter 21.93
Milk 507.80
At 2 yr. 4 mo. 21 days—
Butter 16.52
Milk 414.80
Eight 30-lb. sisters.
Segis Fayne Johanna...35.30
Eirene Fayne.....31.52
Jewel Heng. Fayne.....30.48
By a brother to the sire of:
Masterpiece Korndyke Betty, 3 yr.....30.80

SPRING FARM PONTIAC CORNUCOPIA
No. 77172.
Sire of:
Segis Pontiac Capelena, 21 mo.....15.64
Best known to Holstein breeders as the $15,000.00 bull.
He is a son of the first cow to pass the 44-lb. mark, K P Pontiac Lass, who holds the world's records in every division from one day to 100 days in the mature age class.
His sire, Sir Korndyke Cornucopia, is proving a worthy mate to such a dam.
From the standpoint of performance, he ranks with the best. His list of great record daughters is his best recommendation.

VALDESSA SCOTT 2d
No. 72311.
At 8 yr. 2 mo. 1 day—
Butter 41.88
Milk 694.60
Butter 30 days.....164.29
Milk 2,933.90
(World's Butter Records when made.)
At 10 yr. 2 mo. 16 days—
Butter 37.49
Milk 611.40
Butter 30 days.....142.49
Milk 2,475.70
(World's 7 and 30-day record for two years.)
5 A. R. O. daughters—
Valdessa Ormsby De Kol 4y. 32.98
3 others above 21 lb.

KING HENGERVELD AAGGIE FAYNE
No. 56635.
25 A. R. O. daughters—
Finderne Holingen Fayne .....3 y. 37.34
Butter 30 days.....150.32
Butter 365 days.....1,395.06
(All World's Records.)
Finderne Netherland Fayne .....3½ y. 37.13
Finderne Mutual Fayne .....3½ y. 36.72
Finderne Wachusett Fayne .....3½ y. 35.61
Butter 30 days.....140.86
Finderne Soldene Hengerveld .....3½ y. 35.34
Butter 30 days.....137.13
Finderne Soldene Fayne.33.28
Finderne Lady Fayne .....3 y. 31.76
Finderne Johanna Fayne .....3 y. 31.95
Finderne Miriam Fayne .....4½ y. 30.54

FINDERNE GIRL BERYL WAYNE
No. 120125.
At 4 yr. 2 mo. 11 days—
Butter 22.77
Milk 589.60
At 3 y. 1 mo. 19 days—
Butter 18.95
Milk 465.00
Dam of—
Finderne Beryl Wayne Fayne 23.48
Milk 552.00
By a brother to—
Beryl America Lady.....30.72
Milk 583.30

SIR KORNDYKE CORNUCOPIA
No. 43769.
19 A. R. O. daughters—
Spring Farm America Pontiac 34.56
Spring Farm Agatha Pontiac .....3 y. 30.67
Spring Farm Lotta Korndyke .....4 y. 29.51
9 others above 20 lb.
2 others above 16 lb. at 2 yr.
4 A. R. O. sons.
4 producing daughters.

K P PONTIAC LASS
No. 106812.
Butter 7 days.....44.18
Average fat.....6.02
30-day record—
Butter 171.50
Average fat.....5.92
Butter 60 days.....308.81
Butter 100 days.....465.16
(World's Butter Records when made.)

AGATHA NETHERLAND PIETERTJE
No. 26980.
11 A. R. O. daughters—
Valdessa Scott 2d.....41.88
Butter 30 days.....164.29
(World's Records when made.)
6 others above 21 lb.
4 A. R. O. sons.
15 producing daughters.

VALDESSA SCOTT
Dam of—
Valdessa Scott 2d.....41.88
Milk 694.60
Butter 30 days.....164.29
Victoria V.....25.78
Milk 525.70
2 producing daughters.

KING FAYNE SEGIS
No. 46767.
29 A. R. O. daughters—
Segis Fayne Johanna....35.30
2 others above 30 lb.
14 others above 20 lb.
20 A. R. O. sons.
7 producing daughters.
Nine 30-lb. granddaughters.

BLOOMINGDALE HENGERVELD AAGGIE
No. 88652.
Butter at 2 yr.....23.05
Milk 408.40
Average fat.....4.51
Butter 30 days.....95.10
Milk 1,786.00
Average fat.....4.26
(World's Records when made.)

BURKE HENGERVELD BERYL WAYNE
No. 37910.
14 A. R. O. daughters—
Finderne Girl Beryl Wayne .....4 y. 22.77
Finderne Wayne Inka .....3 y. 22.26
Finderne Wayne Grietje .....4½ y. 22.10
3 others above 20 lb.
5 producing daughters.

COUNTESS SARCASTIC VON HARLINGEN
No. 86754.
Dam of—
Finderne Girl Beryl Wayne .....4 y. 22.77
Milk 589.60
1 producing daughter.
Sister to—
Aag. Pauline Sarcastic..36.35
Butter 30 days.....134.95

FOR PRICES AND PARTICULARS ADDRESS:

Finderne Stock Farms

BERNARD MEYER

Finderne, New Jersey

Stevens' Calf Meal—

Is a feed developed by long years of experiment in the FAMOUS STEVENS' herds. It is now offered for general sale. It is being used by some of the best breeders in the country. They too, say: "It's great." Takes the place of milk—prevents digestive trouble.

Prove Our Claims by a Small Trial Order

Price to introduce this feed $55.00 per ton, freight prepaid east of the Mississippi River in lots of 500 lbs. or over. Cash with order.

Stevens Milling & Feed Co. **Lacona, N. Y.**

Calves fed on this Feed are Strong, Healthy and Growthy

STRICKLAND FARM

Offers Young Bull Calves

sired by Spring Farm King Pontiac 14th, 133407, from that good cow, Orpha Pontiac, 31.49, seven days, 113.97 butter thirty days. The dams of these young calves are two or three years old with records around 20 to 22 lbs. Now Spring Farm King Pontiac 14th will have all the chance possible to make him a noted sire.

Buy something that will make you money.

WRITE

S.M. STRICKLAND

CARTHAGE, N. Y.

For Prices and Pedigrees

"Used by the Men who Do Things"

Truckell Certificate Envelopes

They Keep the Papers Right

$1.00 per hundred - postpaid

G. H. Truckell Liverpool, N. Y.

World's junior 3-yr-old milk record 28,429.0 lbs. milk, 1050.00 lbs. butter in 365 days. Bull calves for sale from her son and half brother from tested dams. Both sires from King Korndyke Pontiac Lass. Dams are half sister to Creamelle Topsy Ormsby Tobe, our junior 3-yr-old. Others are daughters from a half brother to K. P. Pontiac Lass. They are this year's calves.

The Boysen Herd Rome, N. Y.

30 lbs. peas and oats silage; July 25 to 31, 30 lbs. corn silage.

August. 9 to 14 lbs. daily of the same grain mixture as in May; 30 to 35 lbs. daily of corn silage, some pasture and hay.

These three statements of actual rations fed show the kind of ration, the feeds used, and illustrates again the need for succulence, variety, plenty of bulk, and plenty of protein in the ration.

A study of many rations fed by many different feeders will show that they do not depart widely from these methods and the feeds listed in these rations will cover those generally used.

The following is suggested as a grain mixture for the summer of 1916 as prices look now:

500 lbs. hominy.
500 lbs. distillers' dried grains.
300 lbs. wheat bran.
300 lbs. gluten feed.
200 lbs. oil meal.
200 lbs. ground oats.

Coming Sires of the Breed

(Continued from page 1488)

In the past, when there were very few high record cows, we would say that it was mainly the bull that made the breeder, but that time perhaps is passing and now it is not of much avail how prepotent a bull may be he will never become very widely known or prove to be much of a money maker for his owner if he is not bred to a good list of high producing cows. His daughters will be too handicapped by the blood they inherited from a medium producing dam and by the lack of proper fitting and feeding for official test work, while the sons of the bull will never go into good herds, as breeders have ceased to pay for a one-sided pedigree only, but demand something on the dam's side as well as the sire's side.

The time is coming when breeders will consider the opportunity that a bull has perhaps even more than this breeding and, instead of hearing so much that a bull's dam has such and such a record, we will hear that the bull is the herd sire in the Cabana's, Steven's, Arfman's, Meyer's or some other noted herd.

Spreading the News

The publicity campaign just being inaugurated by the dairy interests of the country, has the unqualified endorsement and support, not only of every dairy cattle organization, but of the dairy and farm machinery interests as well. As an example, we are pleased to recognize the activities of the James Manufacturing Company of Fort Atkinson, Wisconsin, who at their own expense, have prepared and are distributing a large number of pamphlets, advising the consumption of more milk. The pamphlet contains some interesting statistics.

The method of distribution adopted is unique and worthy of consideration by other concerns contemplating like work. Every traveler for the James Company carries a quantity of these little booklets. He distributes them to fellow passengers upon the train, his associates in the hotels and to all with whom he comes into contact in a business or social way. In this way the campaign spreads.

We quote from the pamphlets that are being put out by this company:

Most folks use too little milk—they do not know the true food value and economy of dairy products.

The per capita consumption of milk is something less than half a glass a day. It should be three or four. Only 1-12 lb. of butter is used daily; less than 1-100 of a pound of cheese; and two teaspoonfuls of ice cream. Yet milk and milk products are the best and cheapest of foods.

The total consumption in the United States annually is:

Milk and milk products	$ 5.92
Booze	32.00
Candy and soft drinks	4.50

Drink Milk instead of coffee and tea—it's better for the health anyhow.

Make it a cheese sandwich instead of beef or ham; indulge oftener in delicious cottage cheese.

Spread the butter on thick—it's healthful.

Instead of smoking cigars—substitute ice cream; it's better for the nerves.

If pie is hurtful to your health, eat ice cream.

Milk and milk products are wholesome and are easy to digest. Ask your doctor what he thinks about it.

CLOTHILDE PONTIAC FOBES DE KOL

Born September 21, 1911, made 14.32 lbs. at 28 months. Sired by Northern Fobes De Kol, 36 A. R. O. daughters; Northern Fobes Denver, 39.86 lbs.; Denver Fobes De Kol, 4½ years, 30.86 lbs.; 6 others above 25 lbs., 5 above 24 lbs. and 6 above 20 lbs. Her dam, a granddaughter of Hengerveld De Kol and Pontiac Butter Boy, made a 27.16 lb. record at 4½ years, her sire having 15 record daughters of 20 lbs. to 28 lbs. and her dam made 20.42 lbs. at 10 years.

Clothilde Pontiac Fobes De Kol was bred November 4, 1915, to Pledge Spofford Calamity Paul, who has a 32-lb. dam and 32 A. R. O. daughters, Fairmount Aaggie Topsy, 36 lbs.; Fairmount Pontiac Calamity, 35.37 lbs.; Fairmount Netherland Posch, 32.54 lbs.; 12 others from 20 lbs. to 28.94 lbs., $450.00. She is in condition, now dry and should make at least 30 lbs. this time. Write for pedigree.

HOBART W. FAY MASON, MICH.

"High Class Cattle Only"

BULL CALF Born June 1, 1915

Sire—Premier Pontiac, son of Pontiac Korndyke and Sadie Pontiac Korndyke at 4½ years 102.4 lb. milk one day, 687 lb. milk and 29.56 lb. butter in 7 days. **Dam**—Pansy Payne 23 36 lb., her dam, Netherland Pansy Korndyke 38.44 lb **The calf is a good one and is priced to sell.** Write at once.

F. H. THOMSON & SON Fairview Farms HOLLAND PATENT, N. Y.

Prince Aggie Wayne Ormsby
No. 178080.
Born February 27, 1916.
A splendid individual, straight as a line and with a world of breeding.
Five dams average.....34.80
Eight dams average....32.90
Ten dams average.....31.28

Note the year records.

Sir Korndyke Bess, 110157
The oldest daughters of this young sire are being bred now. If type is any indication of production, he will soon have a great list of daughters.
He was GRAND CHAMPION at the N. D. State Fair over the 1911 National Champion.
He comes, on his dam's side, from the noted BESS family and carries the same outstanding individuality for which that family is noted.

Aaggie Wayne Peep 2d, 239966
Age 24 months.
Butter 7 days..... 19.41
Milk 405.30
Butter 30 days..... 81.65
Milk 1743.00
Estimate for year.....900.00
Milk 17,500.00
Full sister to:—
Aaggie Wayne P. O., 2y 5m.....25.31
Three world's record sisters.

Sir Korndyke Hengerveld De Kol 36th 85968
6 A. R. O. daughters—
All above 15 lbs. at average age of 24 months. FIRST PRIZE at National Dairy Show, 1913.
⅞ brother to—
Miss Korndyke Maid Ormsby.....30.86
By a brother to ten 30-lb. cows.
Bess Pietertje Ormsby Mercedes, 154367
Butter.....5y 1m 33.21
Milk 787.30
Butter 183 days.....750.90
Milk 18,180.50
(STILL GOING)
Butter.....3y 3m 33.15
Milk 759.00
(World's milk record.)
From same dam as—
Spring Bess B. B. 2d... 38.22
Milk 792.30

Sir Pietertje Ormsby Mercedes 44931
50 A. R. O. daughters—
Three above 30 lbs.
Three that have made 15 World's records.
16 junior twos above 20 lb. (World's record.)
Greatest sire of show ring winners in the world.
Aaggie Wayne Peep 131420
Butter 7 days.....6y 34.59
Milk 657.20
Butter 281 days.....1050.57
Milk 23,214.00
(STILL GOING.)
Butter 7 days.....4y 31.30
Butter 1 year.....974.40

Sir Korndyke Hengerveld De Kol, 41260
33 A. R. O. daughters—
2 above 30 lbs.
75% same blood as KING OF THE PONTIACS. Seventeen 30-lb. daughters. Two above 40 lbs.
Daisy Mercedes De Kol Ormsby, 78056
Butter 7 days.....23.24
Milk 598.80
Butter 1 year.....693.85
Milk 16,995.00
Three-fourths sister to—
Piet. Maid Ormsby.....35.56
Sir Pietertje Ormsby Mercedes, 44931
50 A. R. O. daughters—
Three with 30, 31 and 33 lb.
His daughters have broken 15 world's records.
16 junior twos above 20 lbs. (World's record.)
Spring Brook Bess Burke, 98734
Butter 7 days.....34.80
Dam of:
Spring Bess B. B. 2d....38.22
Bess Pietertje Ormsby Mercedes.....3y 33.21
Two juniors twos above.21.36
Jack Mercedes, 35077
7 A. R. O. daughters—
Skylark De Kol Lady Mercedes.....30.44
By a son of:
Mercedes Julip's Piet....29.39
(World's record when made.)
Pietertje Maid Ormsby, 78051
Butter 7 days.....35.56
Butter 30 days.....145.66
(World's record 1911.)
Dam of:
Miss Korndyke Maid Ormsby.....30.86
Five 30-lb. granddaughters.
Aaggie 3d's Wayne Paul De Kol
33 A. R. O. daughters—
Three above 30 lbs.
One A. R. O. son.
His sire is a son of:
Sadie Vale Concordia...30.64
(World's record when made.)
Early Dawn Peep, 55066
Butter 7 days at 9 y....21.30
Milk 471.90
2 A. R. O. daughters.

For further paaticulars address

E. C. SCHROEDER Moorhead, Minnesota

The Bulls —Also practically all the cows and heifers advertised by me in the "World" Are Sold

NOW

I have other good ones to offer—Write me about them —Here is a Sample

A nice heifer sired by Spring Farm King Pontiac 5th.

A fine heifer calf born September 26th, 1915, sired by Spring Farm King Pontiac, the dam being Woodbine Empress Korndyke.

Another heifer born April 27th, 1915. Her dam is Daisy Webb De Kol (25.36 lbs. butter in 7 days from 501.9 lbs. milk averaging 4.04% fat; 91.38 lbs. butter in 30 days from 1918.8 lbs. milk). Her sire is Spring Farm King Pontiac.

A heifer calf born March 14th, 1915. Her sire is Spring Farm King Pontiac—her dam Westside Mona Veeman (22.12 lbs.)

Write for Particulars

LEON MORE Lacona, N. Y.

SHERBURNE BREEDERS

BELLEMORE STOCK FARM

Herd headed by **King Pontiac Hilldale**, No. 114040, a son of King of the Pontiacs, from a 29.93-lb. dam. Cornucopia Pontiac Korndyke No. 87266, a son of Pontiac Korndyke, from a 33-lb. dam. For Sale—both females and males—all of prominent lines of breeding.

EDSALL B. REYNOLDS, Prop.
Sherburne, N. Y.

WESTEND STOCK

For Sale—Bull Calf, born Jan. 21, 1916. Nicely marked, large and straight—a fine individual. His sire is by King of the Pontiacs and a 29-lb. four-year-old. His dam is a 23-lb. daughter of Lilith Pauline De Kol's Count. Price $100.00. Write for pedigree.

Bert J. Butts **Sherburne, N. Y.**

HOLSTEIN BULL

Born March 25, 1915; more black than white—first-class individual in every way; well grown, straight as a string and tuberculin tested. His sire is by a son of Sir Korndyke Manor DeKol from a 31.65 lb. 4¾ year old cow. His dam, Sylvia Netherland Mercedes Idaline, made 19.69 lbs. of butter at 3¾ years. Her dam and dam's dam made above 20 lbs. Write for pedigree and price.

HARRINGTON SISTERS,
M. T. Bryant, Mgr. **Sherburne, N. Y.**

LAST CALF ADVERTISED IS SOLD

This time we give you a choice between two, both sired by that great bull, Tidy Abbekerk Prince, who, we are pleased to say, now has nine 30-lb. daughters. The dam of calf No. 1 is the daughter of a 31-lb. sire and has almost 20 lbs. as a 4-year-old. The calf is an exceptionally fine individual, almost evenly colored, born in April, 1915. The dam of calf No. 2 is a daughter of Admiral Gelsche Hamilton with a record of 23.96 lbs. at just 5 years. This calf is an extra fine individual, straight as a line, deep and broad with very long hip, born in November, 1915. Either of these calves is valuable and we expect will increase in value, as both dams will be given opportunity to make larger records. Your choice of this pair for $150.

HENRY LATHROP & SONS : : : SHERBURNE, N. Y.

The Breeders Write Us

Date of Sale Changed

Owing to the managers of the Allentown, Pa., Fair Grounds having engaged the grounds to another party on August 2-3d, I had to change the date of my Consignment Sale to August 9-10, 1916.

I will have at least 150 head of nice, clean, well bred stock, including the dispersal of R. H. MacDade, a consignment from E. C. Brill and 40 head of my own, amongst them a nice lot of yearling heifers bred to my 30-lb. sire, Allamuchy Fayne Hengerveld Hartog.

I could take a few more consignments of high class record cows and bulls.

W. M. Benninger.

Pa.

Going to Kentucky

Joe S. Lindsay of Kentucky has recently bought from the Lakeside Stock Farm an unusually fine foundation herd, and proposes to become one of the best breeders of Holsteins in his State. The animals selected were of fine individuality and excellent breeding.

To head his herd he selected Segis Butter Boy Pontiac, one of the fine sons of King Segis Pontiac Alcartra, the $50,000 bull. He was similar to his sire, and just ready for use. His dam made over 28 pounds of butter in a week as a 4-year-old, and will undoubtedly exceed 30 pounds at her next freshening barring accidents. She was a daughter of Pietertje Hengerveld Segis, with about 65 daughters in the list, some of them over 30 pounds, and his sire was the great King Segis, and his dam made 33.31 pounds, has a sister over 33 pounds and another sister over 30 pounds. The dam's dam and granddam both have good A. R. O. records.

This is certainly a royally bred bull, and promises to make a great sire. In females he selected some choice specimens of the Model, Uniform, Ormsby, Veeman, Tidy Abbekerk, Colantha and Clothilde families. They were an excellent lot and looked very promising. The heifers are bred to Lakeside Herd sires, and a son of King of the Pontiacs from a 32-pound cow.

Mr. Lindsay writes that these animals reached him in fine condition, and expresses his entire satisfaction with the purchase. Thus is founded another choice herd in the Blue Grass region, which will undobutedly be heard from in the future.

E. A. Powell.

New York.

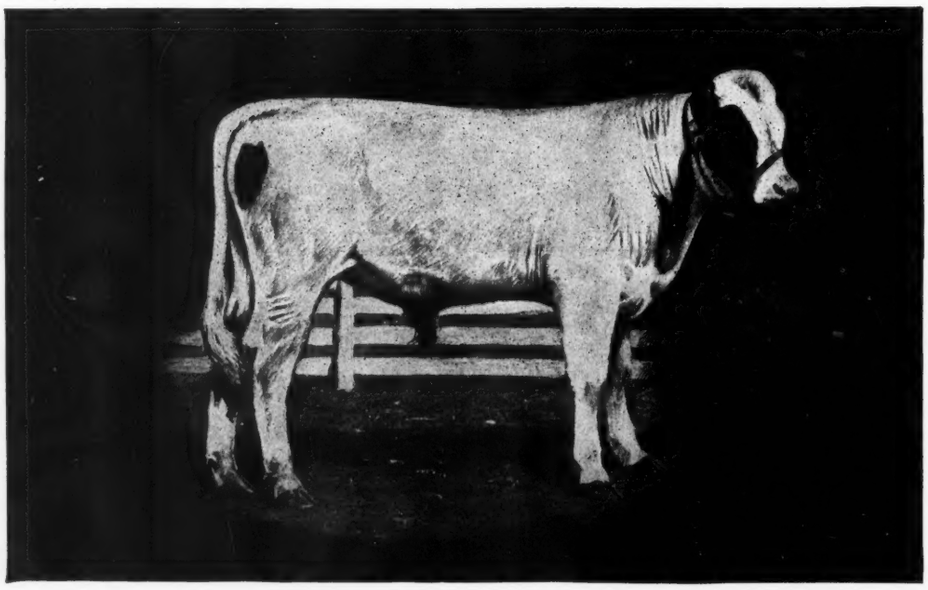
A Well-Bred Youngster

Here's a photo of my young bull, Allamuchy Tidy Abbekerk Rex, which I purchased at the Fasig-Tipton Philadelphia sale last March. The cut was made from a photograph taken at six months of age, therefore it does not do him justice at his present age, but is sufficient to indicate what he promises at maturity.

While in the sales stable Rex was the center of interest and an admiring crowd could always be found at his stall.

His breeding is just as striking as his individuality. His dam, Belmont Pauline Clothilde, at five years, has a seven-day record of 33.28 lbs. butter from 717.8 lbs. milk, and a thirty-day record of 133.96 lbs. butter from 3123.6 lbs. milk. Her dam, Pauline Pet Clothilde 2d, has 28.94 lbs. butter from 691.1 lbs. milk in seven days. Her sire, Posch Pauline De Kol, has another high record daughter, Zarilda Clothilde 3rd De Kol, who made in seven days as a four-year-old 28.72 butter from 817.4 milk, and in thirty days 114.78 lbs. butter from 3304.8 lbs. milk. The sire, Tidy Abbekerk King, is from that grand old cow Tidy Abbekerk. She was one of the greatest

(Continued on page 1507)



ALLAMUCHY TIDY ABBEKERK REX

ANNOUNCEMENT OF

Carnation Stock Farms

For the past several years, Mr. E. A. Stuart, President of the Carnation Milk Products Company, Manufacturers of Carnation Milk (evaporated-sterilized) has been developing two stock farms—one at Oconomowoc, Wis., and the other at Tolt, Wash., seventeen miles from Seattle, Wash.

The foundation stock of the Carnation herds, which now consists of 700 animals, was selected from many of the best Holstein herds in the States of New York, Ohio, Wisconsin and Illinois.

The herd sires were selected by Mr. Stuart, after thoroughly studying records and the possibilities of various Holstein families. He finally chose Johanna McKinley Segis and King Segis 10th; both are sons of the famous King Segis, who is recognized by all Holstein breeders as the greatest bull of the Holstein breed.

With this wonderful collection of animals, the Carnation Stock Farms have been able to develop their herds to the highest point of Holstein Aristocracy.

A step farther has been taken to guarantee the breeding and health of all animals on Carnation Stock Farms,—a contract has been made with the United States Federal Government, and both farms are placed under their supervision. Carnation Stock Farms are at present, and will be kept free from tuberculosis in both herds, by the most rigid inspection at regular, specified intervals.

With our policy of Federal Inspection and the high quality foundation stock—from many of the best Holstein families—we are able to offer for sale, young stock with their health and breeding guaranteed.

Visitors and Correspondence Invited

Pure Bred Young Stock For Sale

Carnation Stock Farms

Eastern Farm, Oconomowoc, Wisconsin

Western Farm and General Offices Seattle, Wash.

Breeder of Registered Holstein-Friesians

WORTHY OF THE BREED

Entered at the Syracuse, (N. Y.) Postoffice as second class mail matter.
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Advertising rates on application.

The date following the address on the wrapper of each paper indicates the time to which subscription is paid, and is to answer the purpose of a receipt.

Offices of publication, Syracuse, N. Y., and Waterloo, Iowa.

Approved cuts of meritorious Holstein-Freisian animals, when furnished, will be published free of charge.

If photographs are sent, cuts will be charged for at cost price.

All matter for publication in the Eastern Edition must be received ten days preceding date of issue.

When so desired, advertising copy will be prepared or revised for our customers free of charge.

We cannot undertake to furnish regularly any back numbers, but as long as our supply lasts they may be had for ten cents the copy.

Address all correspondence for the Eastern Edition to Syracuse, N. Y.

The Holstein Man's Opportunity

PUBLICITY and its uses has appealed to the Holstein interests at last, as a means to the greater end—a better milk market. It is high time. The greatest dairy cattle association has neglected the market possibilities of its product too long already and any steps taken to advertise the value of Holstein milk as a food are sound indications that the association is waking up in this matter. The advertising, of course, should be made direct to the housewife, and the campaign just undertaken by the National Dairy Council is a good example to follow. Holstein interests may strike while the iron is hot by supplementing this campaign with one of their own regarding the wonderful value of Holstein milk for food.

The management of the association is not altogether at fault for the neglect of this phase of business allied with breeding dairy cattle. Its officials are far-sighted, keen-visioned men, but they have felt no pressure of necessity that might cause them to look into the marketing problem. The members of the association have made no complaint as to the milk market, largely because they have had none to make. Holstein breeders have looked upon their business as aside from the retail marketing of milk and have not paid attention to this remarkably fertile field for exploitation. Their developments have been made along lines of what they conceived to be of closer interest to breeders and they have left the business of developing milk markets to those who milk the cows.

But it is evident that the best interests of the breeders lie along lines of closer co-operation with the retail milk man. As the manufacturers of the greatest milk producing machine on earth, the breeder is interested, or should be, most intensely in the disposition of his product. He is interested in knowing that these machines make good in the field for which they were intended. He should be interested in the sale of the product of these machines, for bigger sales mean a demand for more machines and for more sales for him.

So it is particularly fitting that the National Association should pay more attention to the development of the milk markets by taking steps to increase the demand for milk and its products. The assistance given the National Dairy Council represents money well spent, but Holstein breeders should go further. They should, in addition to the money spent with the Council and the generous sum set aside to advance the popularity of the breed, clinch their advertising campaign at the same time by spending a liberal amount to popularize Holstein milk, known far and wide as the best and safest whole milk for human consumption.

Facts such as are in possession of the literary committee of the association, or easily obtainable, and which prove beyond a doubt the Holstein man's contention as to the value of his cow's product, should be constantly put before the public. This campaign should be continued until there is no longer any doubt but that Holstein milk is the one best bet on the lacteal calendar. Then we shall see two Holstein milk plants grow where one grows now.

Canada Sees Her Chance

CANADIAN breeders are waking up on the publicity question also. In an address before the Brante District Holstein Club, upon the occasion of its annual picnic recently, Prof. Dean of the Ontario Agricultural College, at Guelph, laid particular stress upon the increasing popularity of milk and its product in Canada. Prof. Dean advocated that Canadian dairymen adopt the slogan "Make more milk" and that they spread this gospel throughout the entire territory.

Prof. Dean emphasized the important place that the dairy cow occupied in supplying cheap food for humanity and in increasing the wealth of the country. He stated that the yearly value of dairy products in Canada is about $150,000,000, and that with the same amount of labor this yearly production could be practically doubled by the practice of more careful systems of breeding and feeding.

What is applicable to Canada may be applied also to the United States, and the production of milk and its products may be greatly increased, not by the use of more labor, but by the use of more intelligence. And therein lies the secret of financial success and the solution of the labor problem.

How England Provides Labor

AND this brings us to the consideration of the labor problem, which is being solved in England, at least, by the use of modern labor-saving machinery. We are informed by one manufacturer of milking machines that it has sold in England since the war began 101 milking machine outfits.

Necessity has created this demand, for the men on English farms have been called to the trenches and a large part of their work, which of necessity must be performed, is now being done with machinery operated by women. Here is a possible solution of labor troubles in this country, as regards the business of agriculture.

Milk and Mexico

WAR with Mexico—a reality to be faced once more. However men may differ as to the diplomatic policy to have been pursued with regard to our unfortunate neighbor, there are no two opinions in this present crisis. All are behind our president and our army.

However the issue may turn, Holsteindom regrets that Mexico did not turn to the greatest breed and take up Holsteins, milking machines and the Babcock tester instead of bull fights and chili con carne. The Holstein cow is the epitome of civilization as far as agriculture may go toward producing peace and contentment. But for her benign influence many sections of this country would now be no better off than unfortunate Mexico. She has lifted mortgages, built bank balances, gushed gasoline gigs and made rural America happy generally.

She will be Mexico's salvation. When the war clouds have drifted away, under the bountiful protection of the Stars and Stripes, she will convert the beautifully verdant pastures, now black and blue from the grim beating of Mars' mailed fist, into unequaled vistas of Black and White with the thousands of Holsteins upon her hills.

If Mexico takes up Holsteins, and in order to insure her financial success, she must, her future will be safe.

Chile exported 2,031,338 metric tons of nitrate of soda in 1915, 1,847,586 in 1914, and 2,739,530 in 1913.

A Sire of Champions

ONE of the sires discussed by Mr. McAlister in his article this week on "Coming Sires of the Breed" is King Segis Pontiac Count. Our cover illustration is of one of his two most famous daughters, Jewel Pontiac Segis. This heifer won first prize this year in milk production with 591 lbs. in seven days. Her butter production for the period was 28.05 with a thirty day milk and butter production of 2493 and 113 lbs. respectively. Her age at the freshening for these remarkable records was 2 yrs. 2 mos. and 10 days.

The half sister of this champion, Beauty Girl Pontiac, made 28.75 lbs. of butter in seven days and 116.42 in thirty days as a junior two-year-old; both were world's records at the time of making. Here are two good ones from Arden Farms.

Memorial to Dr. Favill

Dr. Henry B. Favill became a member of the Holstein-Friesian Association of America on December 16, 1910. He was then engaged in breeding pure-bred Holstein-Friesians on his farm at Lakemills, Wis., and practicing his profession in Chicago and had become well known to our members throughout the Middle West. Upon the occasion of our annual meeting at Syracuse, N. Y. in June, 1911, Dr. Favill made an address upon the subject of "Tuberculosis in Cattle." It was at this time that the outstanding ability and greatness of the man were impressed upon our membership and those who listened to his thorough and practical exposition of this most perplexing subject and its relationship to the cattle industry recognized that a master mind had spoken.

At the annual meeting of 1914 held at Chicago, he was unanimously called to accept the vice-presidency of the Association and had served continuously thereafter up to the time of his demise, and was conscientiously in attendance upon every meeting whether of the directors or of members, contributing generously of his valuable time and interesting himself in every detail of our work and its purposes and thus qualifying himself to bring his powerful mind to the full consideration and understanding of our problems and rendering invaluable service in their solution.

That he was deeply interested in Holstein cattle and in the future of our organization was manifest in every way; that he realized its future was evidenced by his comments and suggestions of a constructive character and it was hoped that we might long have his services. In his loss, we, as an organization, have suffered a great misfortune. Those who personally know him and realized his sympathy and his courteousness and friendship are indeed to be condoled with.

Dr. Favill's work with our organization and cattle was but a minor matter comparatively in his life. As a physician he was not only of the highest rank in this country, but was a leader in co-related effort for the public good and worked assiduously for such safeguards of the health of the community as proper sanitation, the inspection of foods and the regulation of medical practice.

He was deeply interested in and sacrificed much of his time and energy to civic and social conditions and the improvement thereof and was a charter member and for two years president of the City Club of Chicago, an organization widely known in connection with such work.

He was attending physician of St. Lukes Hospital and chief of its staff at the time of his death. For six years he was chairman of the Council of Education and Public Health of the American Medical Association and made its work of great importance by co-operating with and co-ordinating the functions of hundreds of organizations all over the country which were attempting to improve the physical and social condition of mankind. He undertook the arduous unending, disturbing, perilous work involved in the presidency of the Municipal Voters League. The American Association of Labor Legislation had no more wise or practically effective adviser than Dr. Favill. He was foremost in proposing, guiding and supporting the Bureau of Public Efficiency and thus applied intensively and technically his knowledge of the science of government. In settlement work he was much at home as a trustee of Chicago Commons. His civic work gratified no personal ambition; it was a burden assumed because of his desire to serve his fellow men. His wisdom and scientific attainments were at the service of all who came to him. He was the friend of mankind and to the service of mankind he devoted his life.

His qualities of mind and heart, his rare judgment, his poise and vision, his sincereity, revealed him as a source of strength which was eagerly sought by organizations and individuals in their big problems and perplexities. His grasp and interest in the larger phrases of social problems were evidenced by his addresses on such subjects as "The Police Power" made in Washington at the time of the International Tuberculosis conference; and on the "Cause of Child Labor", "Social Insurance", "The Public and the Medical Profession."

The spirit of his good cheer, his radiant splendid spirit will never be forgotten by his personal friends. He was a leader who inspired confidence and courage and joy of service. He was a manly man of wonderful mental poise, unending optimism and the gentleness of a woman. There are those among us who will strive harder for the bigger, richer life because we knew him.—Adopted at Detroit, June 7, upon the occasion of the annual meeting of the Holstein-Friesian Association of America.

Praising Mr. McAlister

Your committee takes this opportunity to commend those who have assisted in providing it with the material for these pamphlets and subjects to be elaborated, and especially to acknowledge the signal service in this direction by Mr. McAlister of California.—(From the report of the Literary Committee of the Holstein-Friesian Association.)

Editor's Note—Mr. McAlister is now under exclusive contract to write for the World. His services, however, are still available for the uses of the Association, through arrangements made by the management of the paper and Mr. McAlister.

New York State Breeder's Club

The Holstein-Friesian Breeders' Club of New York State discusses on Friday, June 30th, at a meeting called by Secretary Smith, matters brought up at the recent annual meeting at Detroit and the sale which followed. The club will also discuss the publicity campaign soon to be launched, and recognition will be taken of the invitation given by the State of Illinois to place one hundred registered bulls on farms in the southern part of the State. Several members of the club have already contributed to this project on the strength of the benefit it will bring to the breed in general. Owing to the importance of these discussions the meeting will be largely attended.

Photographs Copyrighted

We inadvertently omitted to give the copyright credit to W. Ward Smith for several photographs appearing in the June 17th issue of the World. The following photographs appearing on page 1404 are copyrighted by Mr. Smith: Those of Mr. Pelletier, Mr. Brockway. Mr. Irwin, Secretary Houghton, Mr. Field, Mr. Flanders and Mr. Lawson and Secretary Vrooman. On page 1408-H are two photographs appearing in connection with the story of the Maryland Club meeting that were also copyrighted by Mr. Smith. The story they illustrate was written by him also.

Publications are warned against reproducing any of the above named photographs, as they are fully protected by copyright.

The World regrets a typographical error which crept into the advertising of the Hinman Milking Machine Company in the issue of June 17th. In discussing the production of certified milk with the Hinman the copy was made to read "Keeps milk sanitary and gives a high bacterial count," when it should have read in place of "high," "low." This statement is obviously true, because of the fact that milk handled through a milking machine is not exposed to the air and to the dust and dirt of the cow stable. Provided the utensil is thoroughly sterilized, no contamination can reach milk that is handled by a milking machine. It should prove of great value to users of certified milk.

Canadian Department

Notes by WALTER FAIRWEATHER

In a letter just received from Mr. Lemon, he tells me that his heifer, Plus Pontiac Artis, C. H. B. H. No. 16792, A. H. B. No. 319773, is doing well on her yearly work. It will be remembered that she finished at the top of the three year class in the R. O. P. last year and is Canadian champion with 20,918 lbs. milk, 990 lbs. butter, average test, 3.76% for that class.

When she freshened again this year she made 31.55 lbs. butter from 552.7 lbs. milk for seven days, and 126.51 lbs. butter from 2185.3 lbs. milk in 30 days, average per cent. 4.58%. She is entered in the R. O. P. Canadian semi-official test again this year—also in the A. R. O. semi-official test, and from the latest reports she is doing well and it is believed she will make a good showing again this year.

At the end of April, after being under test for 62 days, she had 199.052 lbs. fat and 4489.3 lbs. milk, with an average test around 4%. She is a daughter of Fairview Korndyke Pontiac, who has 4 A. R. M. daughters, two above 31 lbs. He is a son of Pontiac Korndyke. Her dam is Pansy De Kol Artis, 24.71 lbs. butter for 7 days, 102.18 lbs. for 30 days. She has two R. O. M. daughters and two R. O. P. daughters. As will be seen from her photo she is a good dairy type wtih a great heart girth and well veined.

—

The Brant District Holstein Club could not have selected a more suitable place to hold their first picnic than at Oak Park Stock Farm, Paris, Ont., the beautiful residence of W. G. Bailey, Esq.

It is the first Holstein picnic ever held by the club and it goes one step further to prove that the breeders of Brant County are a very progressive bunch. It is a good idea to keep the members of any club in touch with one another, and gatherings of this kind tend to keep the interest of the club before the members.

Mr. Bailey extended a very hearty welcome to the members and friends of the club, and very kindly offered them the use of the farm and grounds for future picnics. The farm is reached by two electric lines which have stops at the farm from Paris and Brantford. After spending a couple of hours in a social manner, the company present had the opportunity of inspecting some good stock and listening to some very interesting addresses from prominent men in the Holstein World.

Prof. Dean of the Ontario Agriculture College, Guelph, was the principal speaker of the day and spoke in his usual well-known style on the important place the dairy cow occupied in supplying cheap food for humanity, and in increasing the wealth of this country.

The yearly value of dairy products in Canada is about $150,000,000, but with the same amount of labor this could be practically doubled by practicing more careful breeding and intelligent feeding.

The work of two or three breeders of an enterprising spirit has a leavening effect on the quality of the stock kept in the community.

In order to be a good breeder, Prof. Dean claims that a man must be able

Iowa State Fair and Exposition

DES MOINES

Aug. 23 - Sept. 1, 1916

Offers $18,392.50 Premium Money for Cattle

ENTRIES CLOSE AUG. 1

Write today for Premium List and entry blanks

A. R. COREY, Secretary, Des Moines, Ia.

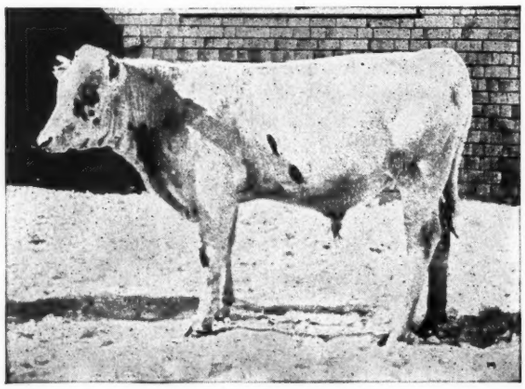
OBJECT LESSON AT DETROIT

THE BIG PRICES PAID FOR ANIMALS OF PERFECT TYPE—"OUR KIND"

Do you want to straighten the top lines of your cattle? ¶ Do you want to give them a good type of udder with large milk production? Do you want them to have the depth of body necessary for large capacity? ¶ Do you want size, individuality, and the world's greatest producing ancestry? ¶ **You can accomplish all of these desirable assets for your herd by deciding to own a bull whose first name is "Dutchland"! It costs no more to breed the kind that bring the long prices.**

HIS SIRE:

DUTCHLAND CREAMELLE KORNDYKE LAD—The world's greatest Three Generation Bull! Dam: Dutchland Colantha Vale, that made 22,750 lbs. of milk and 857 lbs. of butter as a junior two year old (world's record when made) and is now entered in strictly official yearly test and has every prospect of being the world's champion milk producer. Grandam: Creamelle Vale, the former world's champion that made 29,591.4 lbs. of milk and 1155.85 lbs. of butter in the year. Grandam: De Koll Creamelle, with 26,280 lbs. of milk and 1000 lbs. of butter (world's record when made).



DUTCHLAND CREAMELLE SIR HENGERVELD

HIS DAM:

DUTCHLAND HENGERVELD MELISSE—An especially good daughter of Dutchland Sir Pietertje Hengerveld that made 20 lbs. as a two year old and afterwards raised her record to nearly 22 lbs.—56 days after calving, and the next dam is a daughter of Pietertje Hengerveld's Count De Kol with a 22 lb. record from 552 lbs. of milk, a cow of unusually good conformation and a large milk producer.

DUTCHLAND CREAMELLE SIR HENGERVELD'S SUPERIOR BREEDING AND INDIVIDUALITY WILL ADD MATERIALLY TO THE PRODUCTON AND PRESTIGE OF YOUR HERD.

He weighs about **700 pounds** and is nearly **ready for service.** Price. **$500.**

DON'T MISS THIS OPPORTUNITY—Get in communication with us at once for a Creamelle Son

FRED F. FIELD HOLSTEIN CO. Dutchland Farms Montello Sta., Brockton, Mass.

to see the good points in other breeds of stock, but must have faith in his own particular breed. The outlook for dairymen is bright. Prices for all dairy products are on a high level, and while weather conditions are unfavorable for many crops, hay and grass which figure largely in the production of milk, promise to yield heavily.

New markets are opening up for dairy products. The demand for fancy cheese is increasing and experiments are proving that specially prepared beverages can be made with milk. Dairymen might well adopt the slogan, "Drink More Milk." The speaker maintained that at 10 cents a quart whole milk was the cheapest kind of food on the market today. One quart was equal in food value to one pound of meat. Milk is a high nutritive value in every form it is used.

Prof. Dean emphasized the importance of testing, claiming that no man knows the kind of cow he has in the stable until he commences testing. As men to make a study of their business and endeavor to systematize the work on their farms.

Cattle judging was one of the features of the day, J. W. Richardson placing them after the fine points had been discussed by a representative from Guelph College.

Others who spoke on the merits of our favorites were Dr. English of Hamilton, Col. Almas of Brantford, and Mr. Reeve of Brant County.

yet less than 10% of the dairymen are using scales and tester. The yearly test is favored, although both short and long tests are valuable. Only a few years ago the cow that would produce two pounds of butter a day was considered to be the exception, but now we have cows producing as high as 169 lbs. in thirty days. The average cow does not make more than this in a year. Good cows are revenue producers. The speaker advised dairy-

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A report recently issued by the Census Bureau shows that 558,000 carriages were manufactured in 1914, which is nearly 34 per cent. less than in 1909. The number of wagons was 573,000, which is 9 per cent. fewer than in 1909. These reductions manifestly reflect the effect of the automobile.

Pet Gretchen, 1 yr. old Heifer - $150.00

Queen Matilda, 2 yr. old Heifer 225.00

Sire—King Pontiac Colantha of Rosedale
Dam—Carrie Pet Johanna Vale

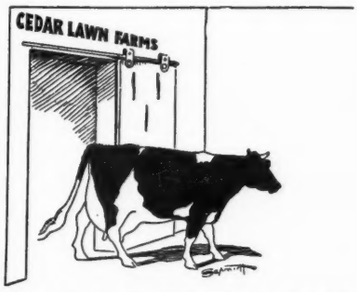
King Hans—1 yr. 4 months old - 175.00

Sire—King Pontiac Colantha of Rosedale
Dam—Pauline Johanna Houwtje

All registered and bargains at the prices.

Prices not good after July 21. Photos and other information on request.

Charles P. Bryden - - Monticello, Illinois



JOHANNA DE KOL VAN BEERS

CEDAR LAWN FARMS

A half brother to Johanna De Kol Van Beers, out of a 17.5-lb. jr. 2-yr.-old daughter of Sir Johanna De Kol 19th, who is full brother to Cedar Lawn De Kol Johanna, 25.8 lbs. in 7 days and 707 lbs. in 1 year at 2 years, 2 mos. Also the Cedar Lawn Beauty, 24.5 lbs. in 7 days at two and one-half years.

This bull was born July 14th, 1914. A good individual, one-half white, and constituting a rare opportunity of getting a herd sire of recognized breeding.

C. A. SCHROEDER & SONS
West Bend, Wis.

KING DOLLAR

THE BEST BRED BULL OF THE BREED

Besides—Individually He is Perfect

REMEMBER THIS

HIS DAM	Average of the two nearest dams	HIS SIRE'S Dam
Pontiac Lady Korndyke	41.11	K. P. Pontiac Lass
38.03 - - 7 days	Equalled by the two nearest dams of but one other bull	44.18 - - 7 days
156.93 - - 30 days		171.50 - - 30 days

Average of the three nearest dams—all different cows—37.12 lbs. 7 days. 147.9 lbs. 30 days; an average equalled by three nearest dams (all different cows) of no other bull.

Stevens Brothers Co. Liverpool, N. Y.

NORTH STAR HERD

offers a bull calf sired by Johanna Bonheur Champion and out of a dam with a record of 29.58 lbs. in 7 days and 123.25 lbs. in 30 days. Calf is a splendid individual and he is a credit to this herd, which is noted for three things,

INDIVIDUALITY PRODUCTION BREEDING

If you are interested in getting a good calf quickly write at once.

W. S. MOSCRIP - - - - - - - Lake Elmo, Minnesota

Avondale's Holstein Bulls

We have for sale a number of **extra well bred young bulls,** which we want to clear as early as possible in reducing our herd. Several are ready for service.—Note the high record dams of a few :

No. 1—A 13 months old from a **31.76-lb. daughter** of **King Segis** She has one 29.89-lb. 4-yr.-old daughter.

No. 2—A 12 months old from a **29.99-lb.** 3-yr.-old daughter of **Prince Hengerveld Pietje**—she has the Canadian **2-yr.-old record** with over 27 lbs. Sire—**Woodcrest Sir Clyde** a 32-lb. bull.

No. 3—A 4 months old son of a 29-lb. cow at 4 years—a ring winner and a calf sired by **May Echo Sylvia's Son** by King Pontiac Artis Canada.

No. 4—A 12 months old son of a 32-lb. 2-yr.-old daughter of Prince Hengerveld Pietje. Sire—King Pontiac Artis Canada.

These are not cheap bulls, but their fine quality considered, will be sold at bargains. We have a lot of others from 2-yr.-olds with records from 17 to 21 lbs., to older ones up to 28-lb. records at $100 to any price. **Everything guaranteed.**

We have one special to offer : Dam—Belle Model Johanna 2d, a twice 37-lb. cow (148 in 30 days) with a 36-lb. 4-yr.-old daughter. Sire—a son of the great **May Echo Sylvia** who has 41.04 lbs. butter record and world's milk records 1 to 100 days. The only 1000-lb. 7 day cow in the world. This is one of the best offerings now before the public. A beautiful calf 4 months old —nearly white.

Address correspondence:

H. LYNN, Avondale Farm, Brockville, Ont., Canada

You are requested to mention the World when answering this advertisement.

Veterinary Department

All inquiries for this department should be addressed to: Dr. Geo. Ticehurst, Veterinary Department, Holstein-Friesian World, Syracuse, N. Y.

There is no charge for advice from this department. For the purpose of proper handling of the work, however, we insist that inquiries be signed by the writer and that a full description of the symptoms or problems be given. If an immediate and personal reply is desired by mail, same must be accompanied by self addressed and stamped envelope and a fee of $1.00 must be enclosed. In no case will we violate a confidence. Initials only will be used to identify the questions and correspondent.

Please tell me the cause of one of my cows having a yellow tinge in the white portions of the skin—also around the eye. What shall I do for it?

Pennsylvania. J. W.

Your cow's liver is at fault. Give her, in a pint of warm water and repeat it for four days, a quarter of a pound of epsom salts, half ounce of saltpeter, half dram calomel. Her food should be laxative.

Kindly advise what to do for a cow which recently became tender in the fore feet. She hates to stand up for any length of time—has no sores or cracks in feet, but they are very hot.

Vermont. K. L. S.

Your cow has laminitis, which often occurs with horses, but not very frequently with cows. Put her feet in flaxseed poultice for three hours a day, avoid hard floors. Give each day, until the fever has abated, one pint of water, aconite forty mimims, bicarbonate of potassium half ounce, salicylate sodium two drams, saltpeter three drams. In a few days she will be able

ANOTHER WISE MAN?

Mr. F. H. Judd, Linden, N. Y., visits Pleasant Hill herd and takes King Korndyke Sadie Vale Poland home with him. Mr. Judd realizes the great value in securing a son of King Korndyke Sadie Vale at an early date.

I am now offering "King Korndyke Sadie Veeman Artis," born November 4, 1915. He is a fine individual in color, a little more white than black.

Sire: King Korndyke Sadie Vale. See Western issue of WORLD.

Dam: Charlotte Veeman Artis, A. R. O. record at 2 years, 4 days, Butter 20.61, Milk 381.7. Full sister to Isabelle Pontiac Veeman, 25.77 at 2½ yrs.

The sire of Charlotta Veeman Artis is Sir Korndyke Pontiac Artis, 50 A. R. O. daughters, two with records above 30 lbs. and all with large records for age. "Charlotta's" dam is Pleasant Hill Lucy Veeman, at 2½ yrs., Butter 25.27, Milk 585 lbs., Butter 30 days 100.09, Milk 2436.3. These were World's milk records for age at the time they were made. Pleasant Hill Lucy Veeman is a daughter of Sir Veeman Hengerveld, thus this young bull combined the blood of the three great sires, Sir Veeman Hengerveld, King Korndyke Sadie Vale and Sir Korndyke Pontiac Artis in the closest possible manner. Charlotta Veeman Artis is in my herd at present and expect she will make a large record next Fall.

W. D. Robens, Poland, N. Y.

to go to grass, when treatment will not be required.

I have a cow that gives bitter milk. Kindly inform me what to do in order to remove this disagreeable condition.
New York. M. P.

Indigestion, moldy food or impure water could cause your cow to give bitter milk—also it could be contaminated after leaving the udder by not providing sterilized utensils for its reception. A change of feed, also water, may be necessary, and by giving one pound of epsom salts in a quart of water, after which mix together a quarter of a pound each of bicarbonate of ammonia, wood charcoal, sulphate of iron and tabel salt—give a tablespoonful of this mixture in feed twice a day. You will obtain the desired result.

What can I do for a cow that has a small lump in the middle of one of her teats?
Ohio. D. H. F.

Slit the growth in four places with a teat slitter. Then insert a dilater. Leave it there between milkings. Boil the instruments before using—also handle them with clean hands. Careful attention will soon bring about good results.
ening with first calf.

The following wire from Pine Grove Farms reports the development of the fourth forty-pound cow of that establishment. "Albina Josie's best seven-day butter record 40.14, milk 723.3; 30 days butter 145.2, milk 2861.6. This record is made with second calf. She is a great individual and weighs close to 1800 pounds, having greatly developed during the past year."

It will be remembered that Albina Josie is the heifer that established the world's record of 33.03 last year fresh-

BULL CALF—Ormsby-Pontiac Combination

900 lbs. yearly average for two granddams. Dam 23.35 lbs. Senior two-year-old. On semi-official test, making 3 lbs. butter every day.

Fine individual, worth $600.00. Priced at $300.00 if he goes to the right herd. Write us at once.

C. C. FRIES & SON **Richland Center, Wis.**

PUBLIC SALE

Monday, July 3, 1916

60 - HOLSTEINS - 60

55 Females 5 Bulls

Cows with official records up to 100 pounds of milk in a day.

Heifers with 20-pound butter records with first calf.

Representing the greatest families, King Segis, King of the Pontiacs, Pontiac Korndyke, Aaggie Cornucopia Johanna Lad, Pietertje Hengerveld Segis, and other noted sires.

All the females of a breeding age are bred to our GREAT Herd Sires.

The bulls in this sale include a son of the ex-champion heifer of the State of Illinois. He is good enough to head any herd.

SEND FOR CATALOG.

WOODLAWN FARM, Sterling, Illinois

Brothertown Pontiac Korndyke

Born October 26, 1915. Sire, **Dean Pontiac Korndyke 116056,** and he in turn is a son of one of the greatest sires of the breed, namely, **Pontiac Korndyke,** who has 123 A. R. O. daughters, nine of them with over 30 lbs., and not only is he famous for his daughters, but his sons are equally great. Further, **Dean Pontiac Korndyke** himself is a splendid individual. He is large, straight beautifully marked, seven-eighths white and, best of all, his offspring are uniformly good. I have a large number of his daughters in my herd and every one of them will be retained and given opportunity to make A. R. O. records before parting with them. His dam, **Elzevere Barnum De Kol 69764,** 29.09 at four years, has a very nice A. R. O. record. She has six A. R. O. daughters whose records will continually grow better, one A. R. O. son and two others that will eventually have a large number of daughters. This shows the splendid line of breeding that this young bull inherits.

The dam of this young bull is **King Segis De Kol Korndyke Topsy 33.09,** a very promising senior 4-yr-old heifer in my herd. She is a very beautiful animal, straight and level, with a nice shaped udder, carrying out well in front with four well placed teats, is an easy milker and has just recently completed a very large record, as you will see by the pedigree.

The young bull, **Brothertown Pontiac Korndyke,** is a very nice individual, carrying out well over the rump; is seven-eighths white, beautifully marked and is right in every way. I cannot say too much in favor of the individuality of this young bull. He is exceedingly desirable in every way.

BROTHERTOWN FARMS

QUENTIN McADAM, Prop., 23 South Street, Utica, New York

Polled Holstein Bull

About one-half white, 14 months old, well grown—has small scours on loose horns. Dam, a senior 3-year-old whose 7-day record is 23.3 lbs. butter; 30 day record 93.5; 365 days record 20,911.9 lbs. milk and 836.92 lbs. butter. Sire's dam, a senior 4-year-old, a prize winner last year, has a 7-day record of 23.73 lbs. butter and a 30-day record of 94.96 lbs.; 293-day record of 17,626.4 lbs. milk, 750.83 lbs. butter. Average of two nearest dams 7 days 576.6 lbs. milk, 23.49 lbs. butter; 30 days, 2425.2 lbs. milk, 94.26 lbs. butter; semi-official, 19,219.2 lbs. milk, 793.82 lbs. butter. The dam of this bull stands eighth in the breed list of senior 3-year-olds semi-officially. She is due to freshen again in June and we consider her a good prospect for 30 lbs. or more. First check for $500.00 takes him. Catalogue for stamp.

GEO. E. STEVENSON & SON

CLARKS SUMMIT -:- PENNSYLVANIA

World's Record Bull for Sale

BORN OCTOBER 18, 1915

SIRE: Korndyke Abbekerk, 34503

SIRE: Pontiac Korndyke
DAM: Daughter of Hengerveld De Kol

DAM: Eva May Ellis 5th, 224005

The first and only 2-year-old to make over 31 lbs. of butter in seven days and over 500 lbs. of milk.

Do you realize we have more 44-lb. cows than 31-lb. 2-year olds? Also that there is a great deal better chance of a 2-yr. old increasing her record?

Calf is a dandy individual, half and half in color. Full particulars on application.

Allamuchy Farms

Allamuchy, N. J.

SERVICE DEPARTMENT

This department is conducted by Professor Savage for those who desire to ask questions concerning his articles. This service is free to all and they are urged to send in their feeding problems for discussion. We believe that such a department as we plan will prove to be one of our most valuable features.

Will you outline briefly the use of machinery in the hay field? Are hay caps essential to good alfalfa hay making?
New York. F. T. P.

Authorities differ on the value of hay caps. I can only give you my personal opinion. I believe that men who will use hay caps consistently in making alfalfa hay, will, in the long run, get a much better quality of alfalfa hay.

The use of machinery in the hay field is a difficult topic for me to discuss. My own experience has been with the ordinary mowing machine and the ordinary dump rake. In large operations on level fields, the side delivery rake without cocking the hay and the hay loader seem to give good results. I very much doubt if the hay loader is of any great value on small farms where the fields are small, particularly on side hills. This is also true with the side delivery rake. Further than this, I do not think I can add anything concerning the use of machinery that has not already been covered in the article on hay making in a previous issue.

I have read with interest your article on curing hay and would like to have you tell me, if it is not outside the line of discussion entirely, what is the value of alsike clover for hay? When should it, if ever, take the place of Red Clover? Alfalfa? Name the best varieties of clover for use in the New England states and give your reasons why you so choose. Thanking you in advance,
Vermont. G. E. H.

I consider the value of alsike clover equal to red clover from a feeding standpoint. In the mixture of grasses that you sow, I suggest that in Vermont you may put in five pounds of alsike clover per acre in place of that much red clover. My choice of clovers for New England are red clover and alsike clover. My only reason for including alsike clover in place of part of the red is that I know that alsike clover does well, is the equal in feeding value, and it will stay in more than one year if the climatic conditions are right.

We have oats and peas mixed, plenty of barley and can purchase wheat bran the most economically of all commercial feeds. Can you recommend a ration from this for yearling heifers and how much, if any, alfalfa hay and silage shall I feed?
Mass. A. W. S.

Feed your yearling heifers all the alfalfa and silage they will eat, and in addition 4 to 10 pounds per day of the following mixture: equal parts by weight of oats, peas and barley, mixed and ground. I do not think that you will need to add wheat bran. If you wish to feed some wheat bran, make the following mixture: 400 lbs. oats and peas ground, 400 lbs. barley ground, and 200 lbs. wheat bran.

This may be out of order, but can you tell me if timothy hay has any place in a dairy cow's ration and if so, how should it be fed? We can't grow alfalfa and clover is hard to secure a stand of, but we can get a good crop of timothy and corn grows fairly well. Have no silo.
Pa. J. W.

I do not consider the value of timothy to be very great in the dairy cow's ration. I would only use timothy hay when I could get nothing else. If you must feed it, feed the cows about all they will eat and put 10% oil meal in your grain mixture.

If the timothy is of good quality and there is a market for it, I suggest that you sell the timothy hay and buy clover or alfalfa hay in its place. This suggestion will be of value only where the market for timothy hay is good and the haulage is not too great to make the exchange.

Of course you know your conditions better than I, but with proper preparation of soil and lime, I think you can get a good stand of clover. With proper preparation of soil, inoculation, and lime, I believe that you can grow alfalfa anywhere in Pennsylvania.

Bureau Seeks Co-operation

Representatives of all the dairy cattle associations were invited to meet with officials of the Bureau of Animal Industry at Washington on June 27th and 28th. The purpose of the meeting, as outlined by J. R. Mohler, Acting Chief of the Bureau of Animal Industry, in a letter sent to the Associations, is to secure the co-operation of these associations in promoting projects that are of interest to the Bureau and to the dairy industry of the country as well.

The Holstein interests were represented by the Executive Committee, consisting of W. A. Matteson of Utica, N. Y., A. A. Cortelyou of Somerville, N. J., Fred F. Field of Brockton, Mass., W. B. Barney of Des Moines, Iowa, and Ward W. Stevens of Liverpool, N. Y. In addition to these men, Col. G. Watson French of Iowa, newly elected vice-president of the association, Secretary F. L. Houghton of Vermont, and A. L. Brockway of Syracuse, attended.

The Seven Day Prize Winners

The 1915-16 prize money given by the Association for the production of milk and butter and amounting to $15,000.00, has been divided among 257 breeders, according to the report of Supt. Gardner, made public coincident to the annual meeting.

The honor of leading in the amount of money awarded to any one company or breeder, goes to Hollywood Farm, Hollywood, Washington, Mr. Stimson securing $353.50. Peter Small of Chesterland, Ohio, is second, with $323.50 and E. C. Schroeder, Moorhead, Minn., is third with $320.75.

We are presenting in this issue the winners of seven day butter and milk records. A study of the list yields the following information: Twenty-one states are represented in the seven day butter records and the same number in the seven day milk records. Five towns of Canada are represented in the former and three in the latter. In one class, the four and one-half year division, the same animal secured

Seven-Day Butter-Fat Records

(The list shown includes the first thirty cows.)

Rank of Prize	Name of animal and Owner	Age at Date of Calving		Lbs. of Fat	Ave. % Fat	Total lbs. Butter Fat	Am't of Prize
	CLASS 5.—COWS FIVE YEARS AND OVER						
1	Almeda Alcartra DeKol of East Side, M. J. Smiley, Bellefourche, South Dakota	5	7	616.5	5.25	32.396	$25.00
2	Northern Fobes Denver, Emblaagard Dairy, Big Bay, Mich.	5	9	563.1	5.66	31.899	24.75
3	Spring Brook Bess Burke 2d, E. C Schroeder, Moorhead, Minn	6	3	792.3	3.86	30.580	24.50
4	Belle Model Johanna 2d, A. C. Hardy, Brockville, Ont.	7	1	576.9	5.27	29.871	24.25
5	Fairview Rag Apple De Kol, James Gibson, White Plains, N. Y.	6	0	432.5	6.86	29.672	24.00
*	May Echo Sylvia, A. C. Hardy, Brockville, Ont.	6	0	674.7	4.31	29.067	
6	De Kol Eeke 2d, W. B. Robinson, Dallas, Pa.	6	9	600.9	4.75	28.569	23.75
7	Lady Belle Posch, H. J. Schneider, Toledo, Ohio	7	1	701.8	4.03	28.338	23.50
8	Fluella Mechthilde, J. G. Whitney, Montpelier, Vt.	11	11	601.7	4.70	28.253	23.25
9	Maple Crest Pontiac Application, Maple Crest Stock Farm Co., E. Claridon, Ohio	6	5	515.6	5.45	28.038	23.00
10	Queen Segis Lilith, E. C. Brill, Stewartsville, N. J.	8	4	514.2	5.46	28.053	22.75
11	Traverse Princess Weg, State Hospital, Traverse City, Mich.	8	3	762.8	3.63	27.705	22.50
12	Aaggie Wayne Peep, E. C. Schroeder, Moorhead, Minn.	6	2	657.2	4.21	27.674	22.25
13	Maplemont Vadora Beets, J. W. Prentiss & Son, Alstead, N. H.	5	10	491.4	5.61	27.580	22.00
14	Duchess Hengerveld Korndyke, Emblaagard Dairy, Big Bay, Mich.	5	10	595.0	4.60	27.356	21.75
15	Alba Sadie Cornucopia Creetia, Anita M. Baldwin, Santa Anita, Cal.	6	4	532.4	5.12	27.309	21.50
*	Glista Coreva, Cornell University, Ithaca, N. Y.	6	1	593.1	4.60	27.264	
16	Janie Roderick Myers, H. Renaud, Phoenix, Ariz.	6	11	691.5	3.93	27.176	21.25
17	Edith De Kol Burke Hengerveld, Fred Pabst, Oconomowoc, Wis.	7	8	644.1	4.21	27.087	21.00
18	Manor Johanna Korndyke Mondamin, Hubert Work, Pueblo, Colo.	8	9	571.9	4.72	27.005	20.75
19	Aaltje Salo Netherland Pontiac, Rust Brothers, West Allis, Wis.	5	10	570.9	4.72	26.941	20.50
*	K. P. Ruby Pietertje, Stevens Bros Co., Liverpool, N. Y.	5	0	525.7	5.08	26.693	
*	Segis Fayne Johanna, Oliver Cabana, Jr., Elma Center, N. Y.	7	4	624.9	4.26	26.632	

*Debarred

A FEW REASONS

Why you should have a son of ADMIRAL WALKER PRILLY at the head of your herd

First of all he is a faultless individual, weighs 2200 pounds, just in breeding condition, has extreme length, good depth, and a perfect top line, and transmits these qualities to all his offspring.

Second, his daughters, all 2 and 3 years old, are making good. His first five A. R. O. daughters having made a larger average than any bull's daughters that ever lived, for their age. The five averaged nearly 20 pounds in 7 days and three of them made over 20 pounds for 30 days, at an average of 2 years, 25 days.

Third, his dam, Lottie Walker Spofford, A. R. O. 32.50 at just 4 yrs. 6 mo., was at the time record was made the highest record cow of her age. She is now, with one exception, the only cow with four records above 30 lb., the only cow with five records above 29.40, and the only cow with six records above 25.55, the latter as a junior three-year-old. She was recently sold, at ten years old, with two others, one ten years old, the other 5 years old, for $10,000.00.

Fourth, his sire, Artis De Kol Walker, son of Beauty Pietertje, A. R. O. 30.50, she dam of Lillian Walker Pietertje, 30.01, and she dam of Ruby Walker Pietertje, 30.21, making one of only four series of three generations of 30-lb. cows.

Fifth, although he is but five years old, his sons are at the head of many good herds in thirteen different states

On his daughters we are using King Walker Pietertje Segis, one of the richest bred young bulls of the breed, whose thirteen nearest dams average 30.07 butter in 7 days, combining the blood of such sires as King of the Black and Whites, King Segis, King Colantha Clothilde, Admiral Walker, Colantha Johanna Lad, Beauty Pietertje Butter King, Admiral Walker Pietertje, Clothilde Goudgeld Hugo, and Sarcastic Lad.

Such breeding is bound to bring results.

THE STEPHENSON FARM

J. P. TORREY, Manager **KENOSHA, WISCONSIN**

a seven day prize for butter and milk production. This animal is the present world's champion, Ormsby Jane Segis Aaggie. In the full age class for butter production, the winner of first prize is Almeda Alcartra De Kol of East Side with Northern Fobes Denver second, and Spring Brook Bess Burke 2d third. For milk production in the same class, Zady Bergsma 2d Clothilde is first, with Spring Brook Bess 2d in second place, and another Schroeder cow, Bess Pietertje Ormsby Mercedes as third. Tilly Alcartra, former world's champion for yearly production secured fourth place.

In class four and a half, as stated above, Ormsby Jane Segis Aaggie is first for both butter, fat and milk. For the butter production, King Segis De Kol Korndyke Topsy is second, Colantha Pontiac Rag Apple is third and the hornless Holstein, Keystone Beauty Plum Johanna, fourth. Second prize for milk production in this class goes to Leda Gerben Alcartra 2d, and third to Oberlin Winters Pontiac.

In class four, the leading butter producer is Leda Inka Alcartra Fobes 2d, with Duchess Lucy Mercedes second, and Rosemary Pontiac third. The leading milk producer was Zady Bergsma Clothilde De Kol, a daughter of the leader in the aged division. Second prize went to Traverse Inka Johanna and third to Lily De Kol Pietertje 2d. In class three and a half for butter production, the world's champion, Lady Pontiac Johanna, was placed first with two Finderne heifers, Finderne Alexis Pontiac and Finderne Netherlands Fayne second and third. The next three places in the table are also held by Finderne animals, but the rules bar them from holding prizes. Lorna Doone Colantha was first for milk production in this class with Woodcrest Sarcastic Princess second, and the former two-year-old champion, Flint Bertjusca Pauline third.

Lady Waldorf Pietje is first for butter production in class three with Topsy Korndyke Beets second and Korndyke Polkadot Pontiac third. On the milk production side, the western heifer, Margie Juanita, is first with the Canadian heifer, Pietje Inka Pietertje second. Topsy Korndyke Beets, winner of second prize for butter production, is third for milk. Coming to class two and a half, we find Eva May Ellis 5th, the best butter producer, with Edith Pledge Segis second, and J. P. Polly Winana third. For milk production, Butter Girl Johanna leads with Elnoradale Pietje Paula second and Tennessee Korndyke of Belle Ellen third. Eva May Ellis 5th is fourth for milk production. In the junior two-year-old class, the world's champion, Fairview Korndyke Pietertje, is placed first with the two daughters of King Segis Pontiac Count, Beauty Girl Pontiac Segis and Jewel Pontiac Segis, second and third. For milk production Jewel Pontiac Segis is placed first with Hollywood Vale Fayne second, and Aaggie Pietje Cornucopia, the western heifer, third. K. H. S. Pearl is placed fourth, while the half sister of the first prize winner secured seventh place. The world's champion, Fairview Korndyke Pietertje, debarred by limitations, is tenth on the production of milk in the list.

We present herewith the entire list of seven day prize butter winners. It is worthy of considerable study:

Rank of Prize	Name of animal and Owner	Age at Date of Calving		Lbs. of Fat	Ave. % Fat	Total lbs. Butter Fat	Am't of Prize
*	Finderne Soldene Fayne, Bernhard Meyer, Finderne N. J.	5	3	597.0	4.46	26.626	
20	Previous 2d Changeling, Fred A. Blewer, Owego, N. Y.	6	3	576.3	4.62	26.605	20.25
21	Bess Pietertje Ormsby Mercedes, E. C. Schroeder, Moorhead, Minn.	5	1	787.3	3.38	26.580	20.00
22	Jessie Veeman Duchess De Kol, W. D. Robens, Poland, N. Y.	7	8	504.2	5.26	26.507	19.75
23	Lyndon Alcartra Polkadot, John Arfmann, Middletown, N. Y.	7	11	554.2	4.77	26.421	19.50
24	Colantha Jewel Mercedes, S. B. & F. D .Van Buskirk, Hornell, N. Y.	9	10	596.9	30.2	26.386	19.25
25	Maple Crest Pontiac De Kol Banostine, Maplecrest Stock Farm Co., E. Claridon, Ohio	8	3	586.4	4.48	26.288	19.00
26	Lilith Lady Countess, W. E. Lamb & Sons, Hubbardsville, N. Y.	5	11	541.0	4.84	26.210	18.75
27	Edith Prescott Albina Korndyke, Daniel B. Tracy, Cobourg, Ont	7	5	478.7	5.46	26.142	18.50
28	Segis Beets Girl, Ralph King, Mentor, Ohio	5	6	609.7	4.28	26.083	18.25
29	Ona Clothilde Wayne, Peter Small, Chesterland,O.	5	0	722.5	3.61	26.079	18.00
*	Hengerveld Korndyke Pietertje, Stevens Bros. Co. Liverpool, N. Y.	6	3	590.3	4.42	26.065	
30	Amanda Prilly, M. H. Bartlet, Poolville, N. Y.	6	11	575.3	4.52	25.977	17.75

Number of Competing Records, 3,245. Average age of cows, 6 years, 11 months, 3 days; days from calving, 21; milk, 480.4 lbs.; per cent fat, 3.39; fat, 16.289 lbs.

CLASS 4½.—COWS FOUR AND A HALF YEARS AND UNDER FIVE YEARS

1	Ormsby Jane Segis Aaggie, Oliver Cabana, Jr. Elma Center, N. Y.	4	11	721.4	4.93	35.536	$25.00
2	King Segis De Kol Korndyke Topsy, Quentin McAdam, Utica, N. Y.	4	10	574.3	4.61	26.478	24.00
3	Colantha Pontiac Rag Apple, D. W. Field Farm Co. Montello, Mass.	4	8	556.2	4.75	26.447	23.00
4	Keystone Beauty Plum Johanna, Geo. E. Stevenson Waverly, Pa.	4	10	665.5	3.95	26.300	22.00
5	Laurameka, Leland Stanford, Jr., University, Vina, Cal.	4	10	518.6	4.98	25.838	21.00
*	Woodcrest Cornelia Pietje, A. C. Hardy, Brockville, Ont.	4	11	508.1	5.08	25.809	
6	Cristeria Overton Mechthilde 4th, B. A. Rhodes, Rivera, Cal.	4	7	463.0	5.48	25.357	20.00
7	Plus Pontiac Artis, S. Lemon, Lynden, Ont.	4	10	552.7	4.57	25.241	19.00
8	Skylark Canary Johanna, John B. Irwin, Minneapolis, Minn.	4	10	604.3	4.15	25.079	18.00
9	Denver Fobes De Kol, State Hospital, Newberry, Mich.	4	6	515.8	4.79	24.685	17.00
10	Winona Beets Segis of Grahamholm, Christopher Graham, Rochester, Minn.	4	9	488.6	5.02	24.551	16.00
*	Finderne Miriam Fayne, Bernhard Meyer, Finderne N. J.	4	10	474.8	5.15	24.430	
11	Gundrieda Phillips De Kol, Henry Gray & Son, Greenwich, N. Y.	4	9	461.3	5.24	24.178	15.50
12	Ourvilla Colantha Girl, S. W. Warner, Collins N. Y.	4	10	551.5	4.38	24.129	15.00
13	Yankee Helen, A. T. Fancher, Salamanca, N. Y.	4	7	510.1	4.73	24.126	14.50
14	Gerben Abbekerk Maid, A. T. Stalder, Riverside, Cal.	4	10	622.0	3.87	24.081	14.00
15	Leda Gerben Alcartra 2d, A. W. Morris & Sons Corp., Woodland, Cal.	4	11	716.0	3.34	23.898	13.50
16	Ida Lotta 5th, Rust Brothers, West Allis, Wis.	4	8	566.1	4.20	23.789	13.00
17	Princess Vio 2d Girl, Leon Clark, Sanford, N. Y.	4	7	550.9	4.28	23.584	12.50
18	Lorie Van Wick 3d, G. G. Burlingame, Cazenovia, N. Y.	4	11	558.0	4.21	23.510	12.00
19	Oberlin Winters Pontiac, City of Cleveland, Cleveland, Ohio	4	9	698.8	3.27	22.884	11.50
20	Johanna Deantha, W. J. Gillett & Son, Rosendale, Wis.	4	9	637.7	3.56	22.725	11.00
21	May Thyrsa Pietertje, A. W. Butrick, Haverhill, Mass.	4	8	565.2	4.02	22.713	10.50
22	Oak Dale Vinnie, I. B. Countryman, Dixon, Ill.	4	6	641.9	3.53	22.685	10.00
23	Keep on Elmwood Princess, Albert Hovdesven, Cottonwood, Minn.	4	11	668.5	3.39	22.633	9.50
24	Lady Piebe Clothilde De Kol, Owen D. Minges, Wellsville, N. Y.	4	6	531.0	4.25	22.568	9.00
25	Johanna De Colantha 6th, W. J. Gillett & Son, Rosendale, Wis.	4	11	511.3	4.41	22.539	8.50
26	Princess Aaggie Hartog of Harum, Fremont Chapin, Oneida, N. Y.	4	11	684.4	3.28	22.468	8.00
27	Nellie Aaggie Pierce De Kol, Summit Lumber Co., Davidson, Me.	4	10	608.9	3.66	22.293	7.50
*	Pietje Sara Jewel, A. C. Hardy, Brockville, Ont.	4	6	559.5	3.98	22.275	
28	Huntress Canary Queen, Hobart W. Fay, Mason, Mich.	4	10	448.9	4.95	22.228	7.00
29	Canary Alcartra of Bonnie Meade 2d, O. E. Sette. Juneau, Wis.	4	10	503.5	4.40	22.158	6.00
30	Windsor Sweet Burtte Maid, Chas. M. Beveridge, Lake Mills, Wis.	4	8	515.6	4.30	22.152	5.00

Number of Competing Records, 747. Average age of cows, 4 years, 9 months, 11 days; days from calving, 19; milk, 460.4 lbs.; per cent fat, 3.63; fat, 16.708 lbs.

CLASS 4.—COWS FOUR YEARS AND UNDER FOUR AND ONE-HALF YEARS

1	Leda Inka Alcartra Fobes 2d, McKay Brothers, Waterloo, Iowa	4	3	528.6	5.36	28.337	$25.00
2	Duchess Lucy Mercedes, M J. Smiley, Bellefourche, South Dak.	4	0	513.0	5.37	27.541	24.00
3	Rosemary Pontiac, Henry S. Hale, Dixville Notch, N. H.	4	0	558.3	4.82	26.910	23.00
4	Rhoda Korndyke, State Hospital, Mt. Pleasant, Ia.	4	4	537.0	4.93	26.464	22.00
*	Albina Josie, Oliver Cabana, Jr., Elma Center, N. Y.	4	4	523.0	5.05	26.427	
*	Woodcrest Cornelia Pietje, A. C. Hardy, Brockville, Ont.	4	0	478.8	5.35	25.615	
5	Mooie Veeman Pontiac, Henry S. Hale, Dixville Notch, N. H.	4	1	528.1	4.81	25.410	21.00
6	Haidee Fannie Ormsby, John B. Irwin, Minneapolis, Minn.	4	4	565.7	4.41	24.959	20.00
7	Korndyke De Kol Clothilde, Quentin McAdam, Utica, N. Y.	4	1	515.5	4.83	24.896	19.00
8	Zady Bergsma Clothilde De Kol, H. H. Stickles, Claverack, N. Y.	4	0	701.0	3.49	24.762	18.00
9	Jenny Linn Colantha, James Phelan, Forestville, N. Y.	4	0	512.2	4.83	24.758	17.00
10	Lady Vernon Posch De Kol, Carmel G. Benson & Sons, Dover Plains, N. Y.	4	3	610.3	4.04	24.683	16.00
11	Yankee Topsy, A. T. Fancher, Salamanca, N. Y.	4	5	502.9	4.86	24.418	15.50
12	Wisconsin Bess Piebe Laura 2d, Jos. M. Hackney,						

*Debarred

MODEL KING SEGIS ERICA

Junior Herd Sire at Lakeside

A cross between Glista and Lakeside Model Family. This is the type bred at Lakeside. 40 of his nearest relatives have A. R. O. records which average over 30 lbs.

LAKESIDE MODEL FAMILY

Combines all the most desirable qualities of the breed

Highest Average Butter Records
Average Over 4% Butter Fat
Highest Individuality
Greatest Uniformity
Most Beautiful Markings
Best Shaped and Balanced Udders
Best Show Family

Start your herd right. See for yourself and make no mistake.
Also have Pontiacs, Korndykes, King Segis and other choice families.

E. A. POWELL

904 W. Genesee St. Syracuse, N. Y.

Polled Holstein Heifer Calf For Sale

Sire: King Plum Johanna, 139857. His dam is Cornucopia Plum Johanna and he is also three-fourths brother to Keystone Beauty Plum Johanna. Calf largely white, nicely marked and a dandy. Price $150.00.

A. C. SLIFER - - Lewisburg, Pa.

Holsteins Worth While

HERD BULLS

Segis Johanna Walker, son of King Walker and a daughter of King Segis, **Jenningshurst Korndyke Johanna,** son of Korndyke Abbekerk and a daughter of Johanna Rue 3d's Lad.

KING MASSASOIT

Son of King of the Pontiacs and a daughter of King Fayne Segis. **Walker Pietertje Segis Fayne,** son of King Walker Segis and a daughter of King Fayne Segis

Combined

with females of all the best families. If you are interested in Holsteins, let us hear from you.

Crystal Spring Farm
G. SMITH & SONS, Inc.
Seeleyville, Pa.

Knob Hill Farm
W. B. CLARK
Honesdale, Pa.

SONS OF A GREAT HERD SIRE

UNEEDA KORNDYKE ABIGAIL BOY 102287

He is a son of the 33-lb. cow, Uneeda Korndyke Abigail, "Best cow owned in the herd of John Arfmann." She is daughter of the 40-lb. bull, Johanna McKinley Segis, son of King Segis.

Offer No. 1—Bull born in June from a 24½-lb. cow.
Offer No. 2—Bull born in March from a 20-lb. cow.
Also a number of younger cows.

HENRY ANTHES JEFFERSON, WIS.

The Breeders Write Us

(Continued from page 1496)

producers that ever lived, having five A. R. O. daughters and four A. R. sons. Three of these have sired 30-lb. cows and the fourth son will soon have this honor also, in which event Tidy Abbekerk will be the only cow to have this distinction, as far as I know. T. A. King was sired by Colantha Johanna Lad, the great Field bull.

We think that, for both milk and butter, we have one of the best bred bulls in the country. He will have ample opportunity as he is being used on three herds, as he is jointly owned by Howard Baker, Horace Wood and the writer, all of Center Square, Pa. None of his daughters will be sold until tested. We are taking a limited number of cows for service.

S. H. Heist.

Center Square, Pa.

Buys New Herd Sire

A very good record has just been completed on a daughter of Pietertje Hengerveld Segis, who now has 70 A. R. O. daughters. Her name is Terracelawn Beets De Kol Pauline, No. 276996, and her record is as follows:

Butter 7 days, 26 months, 22.12 lbs.
Milk 7 days, 26 months, 394.70 lbs.
Average per cent. fat, 4.483.

At the Tri-County Breeders Sale a young son of King of the Pontiacs and Bloomingdale Hengerveld Edith, a 32.45 lb. cow and the second best daughter of Hengerveld De Kol, was purchased by the Susquehanna Valley Holstein Breeding and Testing Association for $2,025. He will be used on the daughters of Pietertje Hengerveld Segis and Spring Farm Pontiac Vale, and will be retained as the third sire owned by the Association. We think we are justified in expecting remarkable results from the combination of the blood of these three great sires.

We are informed that another daughter of Pietertje Hengerveld Segis has recently completed a two-year-old record above 25 lbs., this making his second daughter to exceed that high mark this winter.

Lee Kinne.

New York.

A Letter from McAlister

In the last few weeks, despite the hot weather we have had here in Southern California this spring, we have succeeded in making some very creditable records with the stock we have brought in from the East and also with those which we had in our original herd. K. S. P. Clorinda, a daughter of King Segis Pontiac from a 23-lb. daughter of King of the Pontiacs, made 18.31 lbs. butter from 435.8 lbs. milk in seven days, milking as high as 69.1 lbs. milk in a day as a two-year-old with first calf. Changeling Abbekerk Brunhilde, who is sired by Changeling Butter Boy, the sire of two 30-lb. cows, and who is a daughter of a 30-lb. cow, made 22.11 lbs. from 530.4 lbs. milk in seven days, giving 83.8 lbs. milk in her best day.

S. V. S. O. Burke, a daughter of Sadie Vale Sir Ormsby, who is a full brother to the 41-lb. cow, Sadie Vale Corcordia 4th, made 22.14 lbs. butter from 478.1 lbs. milk in seven days. Lilith Pauline Lyons Segis, who is sired by King Segis 11th, a son of King Segis

and out of the only 34-lb. cow to have four daughters each above 27 lbs. butter, Blanche Lyons Netherlands, made 23.28 lbs. butter from 521.6 lbs. milk in seven days as a junior three-year-old, giving 77.5 lbs. milk in her best day. In fact, all of the daughters we have had of King Segis 11th have made very good records on our place, and we look forward to seeing him become one of the best of the junior A. R. O. sires of the breed. Korndyke Segis Star Rena, who is a daughter of our senior herd sire, King Segis De Kol Korndyke, the only 37-lb. bull in the world to have a 40-lb. daughter or four 30-lb. daughters, and whose sons also take first and second place among the sires of the breed in respect to the averages of their two-year-old daughters, made 21.85 lbs. butter from 463.1 lbs. milk in seven days and 89.1 lbs. butter from 2199.9 lbs. milk in thirty days, giving 88.6 lbs. milk in her best day. Her dam is Star Rena Wayne Pietertje 2d, who held the former world's record as a senior three-year-old for seven and thirty days, and who is the only 34-lb. cow of the breed to ever make 26 lbs. butter as a junior two-year-old. She dropped a heifer calf sired by King Korndyke Sadie Vale, the seven nearest dams of which average over 33 lbs. of butter, which is the second highest average of the breed for any heifer in the world. Queen Rose Paul, who is a daughter of the 32.41-lb. cow, Highland Rose Paul, made 25.02 lbs. butter from 489.1 lbs. milk in seven days and 106.04 lbs. of butter from 2429.1 lbs. of milk in thirty days, averaging 81 lbs. milk per day for a month and giving 98.4 lbs. in her best day. She dropped a fine bull calf sired by King Korndyke Sadie Vale, whose three nearest dams average 33 lbs. butter, which is, we believe, the highest average of any bull ever born on the Pacific Coast. We have had four two year old daughters of King of the Pontiac to freshen, which brings his number of A. R. O. daughters up from 186 to 190, or 64 more than his nearest rival, Pontiac Korndyke. K. P. Idyl Segis made 16.81 lbs. butter, K. P. Pearl 13.73 lbs. butter, K. P. Ruth Walker, 16.90 lbs. and K. P. Woodland, 20.60 lbs. of butter, milk-

60 Head ROSE-HALL HERD 60 Head

Will sell my beautiful herd bull

KING TOBE DE KOL, 101309

His first daughter in milk has made at 27 months of age, 21.40 lbs. of butter in seven days.

His dam, Christmas Tobe 2d, made at 10 years of age, 31.66 lbs. in 7 days, 129.46 lbs. in 30 days—world's record when made. His full sister,

LADY TOBE DE KOL,

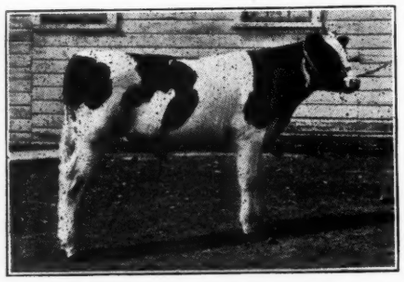
As a three-year-old, made 36.59 lbs in seven days, 141.24 lbs in 30 days. Both of the above were world's records when made. Her four months' old bull calf sold at auction for $11,400.00—and all calves sired by King Tobe De Kol carry 50% of the same blood as the $11,400.00 bull calf. Bull is four years old and a beauty. Price $800.00. Send for photo and pedigree. Also a son of his out of a 20-lb. junior 3-year-old granddaughter of King of the Pontiacs, her dam 26.41, while her dam again has 27.04 lbs. Price $150.00.

GEO. J. HALL NORTH OLMSTEAD, OHIO

10 REGISTERED HOLSTEIN YEARLING HEIFERS offered—granddaughters of Pietertje Hengerveld Segis and a 30-lb. daughter of Pontiac Hengerveld Parthenia. Heifer's dams are of Ormsby breeding, A. R. O. stock. Priced to sell at once. Send for breeding and photo. Don't wait. Grand foundation herd—30-lb. herd sire and yearling bulls offered.

R. H. Thomas, Delevan, Wis.

A 30-lb. Son of Sir Sadie Cornucopia



Sir Sadie Cornucopia 18th

Born November 23, 1915.

His sire has 35 A. R. O. daughters, including:

Alba Sadie Cornucopia Creetia.....34.14

Sadie Cornucopia Mignone (R.O.M.), 7 yr.....33.17

(Also 31.74 at 6 yrs. and 30.40 at 5 yrs.)

Sadie Cornucopia Wayne 31.42

10 daughters average over 27 lbs.

He is a son of Aaggie Cornucopia Johanna Lad and Sadie Vale Concordia.

Dam: Florence Jewel De Kol Rauwerd, 164594.

Butter 7 days..... 30.904 Milk..... 483.20

Butter 30 days.....120.37 Milk.....2400.80

Milk 1 day.....95.1 lbs.

She is a cow of great capacity and a wonderful producer. From a 20.98-lb. dam and sired by a son of Prince Segis Korndyke and Beauty Rauwerd Hengerveld—29.00 lbs.

Write for pedigree, price and description.

W. B. BARNEY & SONS - - CHAPIN, IOWA

Grandson of King of the Pontiacs

My stable-mates are going to their new homes very fast. I expect to go soon. My dam has a 26.80 lb. seven day and 102.51 thirty day record. My price is $150. Write and find out more about me.

H. PERKINS & SON Red Creek, N. Y.

The Balsams Stock Farm

The Balsams Stock Farm has over two hundred females in its herd.

Every cow that freshens is given an official record. A large number of yearly records have been made.

The sire is Dutchland Creamelle Pontiac Lad. His name means large production of milk and butter. One of his sons at the head of your herd adds production. He has an unbroken line of milk and butter records behind him. His dam is Pontiac Ascalon, the second best yearly record daughter of Pontiac Korndyke, with a record of 22827.5 pounds of milk and 1015.65 pounds of butter. His sire is Dutchland Creamelle Korndyke Lad, a bull that is from the thirty-pound cow Dutchland Colantha Vale, former world's champion two-year-old, with 22750 pounds of milk and 857 pounds of butter. She is now on yearly official test and it looks as if she would break all records. Second dam Creamelle Vale, with 29591 pounds of milk in a year; third dam De Kol Creamelle, with 26000 pounds of milk in a year.

We have a few of his young sons. Write for pedigrees and prices.

HENRY S. HALE, Owner P. A. CAMPBELL, Mgr.

Box B, Dixville Notch, N. H.

A Great Red-Letter Day

What a thrilling spectacle it was. Gathered around the ring June 8th at the great Detroit Sale sat hundreds of the most prominent breeders of the Black and Whites from all over the United States. As the selling for the afternoon began the crowd increased. The atmosphere of the Horticultural Building, where the sale was being held, became tense with a subdued excitement. Groups of men were seen conferring in whispers. Then there was a lull in the proceedings. Presently, there wa loud applause from the spectators, and

King Champion Rag Apple

was led into the auction ring. Instantly a thousand eyes were upon him. There were hundreds of expressions of approval and admiration. In the poise of his head; the flash of his eye; the texture of his silken hide "royalty" was stamped in no uncertain manner. As he looked out over the guard rail of the ring into that sea of expectant faces, he almost seemed to say to the admiring throng, "I am

A Son of Rag Apple Korndyke 8th

"The Greatest Bull in the World"

Scarcely had the applause, which accompanied his entrance into the ring, died away, when "$5,000; $6,000; $7,000" rang out from the ringside, and the sale of the greatest bull calf ever led into an auction ring was on. Upward, ever upward, went the bids, $1,000 at a time. Breeders of prominence, vieing each with the other for the possession of this royally bred youngster. Up and up went the price. Suddenly, a wild shout goes up from the auction ring as "Bob" Haeger says

Sold for $20,000

Thus has Holstein history helped to make good our claim that Rag Apple Korndyke 8th is the greatest bull in the world. No other bull in the world—with a single exception—ever sired a seven months old son that sold for $20,000.00 at auction. (AND REMEMBER, THIS IS THE FIRST BULL CALF BRED AND RAISED AT PINE GROVE FARMS EVER OFFERED AT PUBLIC SALE.) No other bull in the world has ever sired a 30-pound junior two-year-old, and no other bull in the world carries such a surpassingly extreme productive inheritance as that which comes to Rag Apple Korndyke 8th through those wonderful world record daughters of Pontiac Korndyke. Fellow breeders, isn't this the kind of blood you want? Do not these facts prove to you conclusively that this is THE BLOOD YOU MUST HAVE to insure your greatest success? Ultimately, you will come to realize as fully as we do that Rag Apple Korndyke 8th is the greatest bull in the world. Don't let procrastination keep your dreams of success from coming true. Buy a baby son of this greatest of all sires. What Rag Apple Korndyke 8th has done for Pine Grove Farms one of his sons will do for you. Get one now. They're growing in value every day. Write us for full particulars.

Oliver Cabana, Jr. PINE GROVE FARMS Elma Center, N. Y.

ing 71 lbs. of milk in a day, which gives King of the Pontiacs forty-five 20-lb. two-year-olds, or twenty-one more than his nearest rival, King Segis.

We have been fortunate this year, for the first time in our business, in having more heifer calves than bulls, twenty-one of the first twenty-eight calves dropped on our ranch from our Eastern shipment, being heifers. One of the most valuable calves dropped on the place is a bull calf sired by King Korndyke Sadie Vale out of a 31.42-lb. daughter of Sir Sadie Cornucopia. The six nearest dams of this calf average 32.30 lbs. of butter, which is, we believe, the highest average of any bull in the West, and which is equalled by few bulls in the United States. The dam of this calf, Sadie Cornucopia Wayne, weighs close to 2100 lbs., when in good condition, and is, we believe, the largest Holstein cow of the breed. Such Holstein cows as Sadie Vale Concordia 4th, who weighed 2070 lbs. before freshening, and who was said to have been the largest cow in the Advanced Registry, even look small beside Sadie Cornucopia Wayne. Enormous as she is in size, she still preserves the perfect dairy type, being of the extreme wedge shape and possessing immense length and depth of barrel. We know of no calf of the breed that is backed up by such large ancestry as her calf, having for several generations back, on both sides, animals that weigh from 2000 to over 2500 lbs., of both sexes.

We have not yet decided as to whether we will keep this calf as our junior herd sire, but if we should, we do not know where we could select a better one, considering the breeding and individuality combined with enormous size.

McAlister & Sons.

Chino, Cal.

A World's Champion Milker.

We are enclosing herewith a photograph of Butter Girl Johanna, No. 229888, a heifer of whom we are particularly proud as she holds the world's milk record for seven days, and we believe also for one day. Her complete record is as follows:

Butter, 7 days—26.891 lbs.
Milk, 7 days—674.8 lbs.
Butter, 30 days—111.586 lbs.
Milk, 30 days—2804.5 lbs.
Milk, 1 day—702.2 lbs.

This record was made at the age of 2 years, 11 months.

We are reporting a second seven-day record for this heifer in which she produced 699.2 lbs. of milk. She gave her own weight in milk in just 10 1-2 days.

She is a granddaughter of Colantha Johanna Lad, carrying similar blood lines to our King Quality.

R. E. Chapin & Son.

Batavia, N. Y.

Editor's Note.—The photo of Butter Girl Johanna appeared in the double spread of June 17, featuring some milk and butter prize winners.

King Pontiac Koningen

No. 75348

HEADS THE INWOOD HERD

His full sister, K. P. Diona Pietertje has just made 40.12 lbs. butter from 825.6 lbs. milk in 7 days. His dam, Diona Koningen Pietertje, made 37.44 lbs. of butter from 610.40 lbs. of milk in 7 days. His sire, King of the Pontiacs, now has 17 daughters above 30 lbs.; 2 above 40 lbs.

In the first four generations of King Pontiac Koningen's pedigree are the sires and dams of 39 cows with records above 30 lbs. His first three daughters to be tested made 20.50, 19.59, and 14.02 lbs. respectively.

We have a few young sons of his from well bred good record cows. If interested in this class of breeding, send for pedigree and prices. Correspondence solicited. Visitors welcome.

ED KUNTZMAN - Homeworth, Ohio

FOR SALE

Holstein-Friesian Stock Farm of 130 acres, with or without stock. Located three miles from Auburn, New York. Herd consists of 35 head of pure bred cattle. Address

No. 500, care Holstein-Friesian World, Syracuse, N. Y.

Vanderkamp Farms

JUDGE SEGIS

Sire: King Segis Dam: Gipsy Hengerveld

The Only Bull of the Breed at Five Years of Age to Produce a Junior Three-Year-Old

30-lb. Daughter and a Yearling 21-lb. Daughter

This 21.46-lb. record is the best record made by any heifer of the breed at like age (1 year 11 months 7 days) or younger.

JUDGE SEGIS has now 18 two-year-old daughters (all that have freshened to date) at 2 years 2 months 3 days, that average 17,357 pounds butter, four of them over 20 pounds at 2 years 2 months 8 days average 20.919 pounds. He has also five junior three-year-old daughters that average 26.51 pounds in seven days with 4.65 per cent fat, and 105.129 pounds in 30 days with 4.27 per cent fat.

A few of his bull calves for sale from A. R. O. dams.

F. C. SOULE & SONS Syracuse, N. Y.

BULL CALF WITH 44 lb. BACKING BORN MARCH 2, 1916

Son of Spring Farm Butter Boy, whose dam is Tweede De Kol Lass (34.39 lb., average per cent fat 5.10). She is dam of K. P. Pontiac Lass, the first 44-lb. cow. Dam, Plum De Kol Pledge Lass, who has a 23.86-lb. record, average per cent fat 3.799 at 4 years of age. She is a strong, vigorous animal, with prospects of a much better record. This bull calf is very vigorous and well marked. His dam and sire's dam average 29.12 lbs. butter. Pedigree and description on application. Price $150.00.

C. W. HEWITT & SON GOUVERNEUR, St. Lawrence County, N. Y.

BULLS WANTED I have a few customers each wanting a very choice, high-class bull, both as to individuality and breeding. No limit as to age—1 day to 10 years. State price in first letter. Breeding and individuality must be excellent and price must be right.

W. C. HUNT, Fayetteville, N. Y.

GRAND VIEW HERD
For Sale

Including Spring Farm King Agatha with 35 of his offspring. Also several daughters of our former herd sires, Count Pontiac and Veeman Butter Boy.

WATKINS BROS.

Camden :: New York

COMING RIGHT ALONG

King Pontiac Canary 78766
Has 38 A. R. O. Daughters

HIS SIRE:
KING OF THE PONTIACS
(Nuff Sed)

HIS DAM:
CANARY HARTOG DE KOL 26.60
(A daughter of Canary Mercedes Alban with 30 A. R. O. daughters)

Maplehurst Farms Lamb & Langworthy
EAST HAMILTON, N. Y.

You are evidently not the man who said he would try anything once

Because we have been applying to you for some time to let us place a bull at the head of your herd WITHOUT YOUR INVESTING A DOLLAR. You may be able to do without us, but undoubtedly you could do better with us if you place a son of the great "BEACH SEGIS PONTIAC" with you to be your own. Write for our proposition before it is too late.

BEACH & WIRT Battle Creek, Michigan

KING COLANTHA CLOTHILDE 3d 98849

Heads our herd. His six nearest dams, including one 3-yr-old, average 30.58 lb. His sire, King Colantha Clothilde, was by Colantha Johanna Lad, the great son of the first 35-lb. cow, and from Abby Hartog Clothilde, the only 31-lb. cow having a 30-lb. 4-yr-old daughter that has a 30-lb. 3-yr-old daughter. The dam was from Mary Walker Pietertje (31.81 lb.), the only 31-lb. cow having a dam with 32.9 lb., and a daughter with over 31 lb. The dam's sire is Beauty Pietertje Butter King, son of Beauty Pietertje (30.51 lb.), who has a 30-lb. daughter with a 30-lb. daughter, and Clothilde Goudgeld Hugo, who has two 30-lb. daughters, each with a 30-lb. daughter and granddaughter.

We can offer several bull calves by this sire and all from officially tested dams at exceptionally low prices, as we need the room.

Flock Brewing Co.
LOYALSOCK HERD
WILLIAMSPORT, PA.

BARKER FARM HOLSTEINS

Herd Sires: Spring Farm King Pontiac Mercedes, 104884, two nearest dams average 32.956 lbs., and Finderne Netherland Korndyke, 155460, son of the world record junior two for 7 and 30 days and by a brother to the 40-lb. 4-year-old.

Young bull calves for sale, also some very good pure-bred and high grade females, all ages. Send for pedigrees and information.

C. P. BARKER
Chippewa Falls Wisconsin

ORMSBY JANE KING

Is the only Son of

Ormsby Jane Segis Aaggie 150943

The Greatest Heifer Ever Tested—the Champion of the World Over All Breeds and All Ages.

Her Records are as Follows:

	Butter, pounds	Milk, pounds
1 day	7.39*	114.40
7 days.....	44.42	721.50
30 days.....	183.16	3,241.00
60 days.....	360.31	6,231.70
90 days.....	509.98	9,201.50
100 days.....	566.98	10,153.00

*A 51.73-lb. gait. All world's butter records.

All of these are world's butter records by a wide margin. The one being made for 100 days exceeds the best butter record by a full aged cow by 101.82 lbs.

Ormsby Jane King has been purchased of Oliver Cabana Jr., Buffalo, N. Y., by the

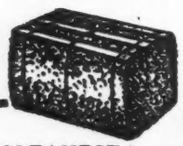
Kellogg, Abbott, Mace, Ellis, Beard Co.

We offer his service for a limited number of approved cows after July 1st, at Cortland, N. Y.

For terms, address either

Geo. A. Abbott, W. H. Mace, or Chas. W. Ellis Jr.

all of CORTLAND, N. Y.



BED WITH BALED SHAVINGS

CLEANEST CHEAPEST Bedding

Best Absorbent

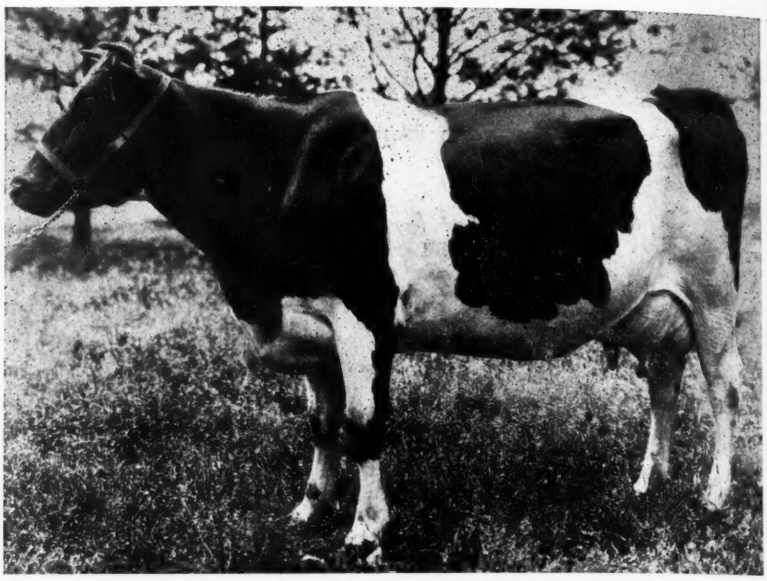
LOWEST PRICES NOW

Write

OSCAR SMITH & SON

82 State St. Albany, N. Y.

Iowa's Latest 30-lb. Cow



LEDA TIETTIE FOBES

Thirty-pound records are losing some of their novelty though not a particle of their value because of the remarkable regularity with which they are being produced by the leading breeders. The latest distinction of this kind for Iowa breeders was the record made at the McKay Brothers Farm near Waterloo, by their mature cow, Leda Tiettie Fobes 112298, who produced 31.11 lbs. of butter from 479.7 lbs. of milk in 7 days. This same cow has a previous butter record of 25.53 lbs. and her breeding traces to a number of 30-lb. records, some of them going as high as 38 lbs. in 7 days.

The sire of Leda Tiettie Fobes was Jessie Fobes Tritomia Duke 32254, who has 21 A. R. O. daughters, one of them Geneseo Belle Polkadot 2d, who has a record of 27.24 lbs. and who is a daughter of the famous Geneseo Belle Polkadot. Another is Nutula Queen Alcartra 2d, the 25.96-lb. daughter of Nutula Queen Alcartra.

The grandsire of Leda is Duchess Ormsby Piebe Burke 29328, who has 30 A. R. O. daughters, among them the 41-lb. Sadie Vale Concordia 4th. The granddam on the sire's side is Jessie Fobes 2d's Tritomia, who is herself a cow with a record of nearly 25 lbs.

On the dam's side, Leda traces to Leda Hartog Tiettie, an A. R. O. cow with five daughters all of which have greatly surpassed her in production.

This is the third 30-lb. record that has been made on the McKay Farm since the first of January, the other two being Leda Inka Alcartra Fobes 2d, who produced 35.37 lbs., and Pietertje Beets De Kol 2d, who produced 31.97 lbs. Both of these cows were mentioned in the issue of the World for April 29th, where there appears a brief sketch of the breeding operations of this farm, which is one of the pioneer establishments of Iowa and has produced a number of very remarkable records.

These three 30-lb. records have been made under the direction of Mr. Florence, who has been herdsman for the McKay Brothers during the past year. His success is worthy of decided credit.

In the past five years the quantity of meat and meat food products prepared under Federal supervision has averaged slightly over 7,000,000,000 pounds yearly (about 70 pounds per capita of population of the United States). About 19,000,000 pounds of this (one-fourth of 1 per cent.) were condemned.

TRANSMITTING POWER WITH RECORDS

The outstanding features of the pedigree of the young bull born February 21st, 1916, now offered.

His dam has four A. R. O. daughters, including a 29.5 lb. four year old and 19 and 20 lb. junior two year olds.

His grand-dams have 5 A. R. O. daughters each, three of the ten being above 30 lbs., and five above 27 lbs.

Five of his nearest sires have twenty-five 30 lb. daughters.

His dam, both grand-dams and one great grand-dam average 31.17 lbs. Two of the four have year's records averaging 1117.78 lbs. butter, 24,757.7 lbs. milk.

His sire is King Colantha Clothilde, 60403, and his dam is Isabella Hengerveld, 104456. These names are known to the Holstein fraternity. They stand for real quality.

If you want this kind of a bull, at a price you can afford to pay, write for complete information. Calf can be seen at our New York farm, Rock Stream, New York, where he was born.

HAWTHORNE FARMS COMPANY

Main Office and Farms BARRINGTON, ILLINOIS — **New York Farms ROCK STREAM, N. Y.**

Auray Farms Breeding

has been arranged to embrace the mating of our young daughters of **King Segis Pontiac Clorinda** and **Pietertje Paul Elsie** with a son of **King Lyons.** He is

King Lyons Fayne No. 161181

selected for his faultless individuality and that of his beautiful young dam, **Auray Elsie Segis** three times a prize winner at but four years of age. Thus continue our policy of

Systematic Line Breeding

with a definite object, i. e. increasing and intensifying in our herd the blood of

De Kol 2d and King Segis

The calves resulting from the above mating will carry, in combination, the blood of the two **greatest sons** of **King Segis**—each bred from a former **World's Record Cow**, viz,

King Segis Pontiac (37.21 lbs.)

King Fayne Segis (35.55 lbs.)

while the balance will be contributed by

King of the Pontiacs Colantha Johanna Lad and Mutual Pietertje Paul

insuring **INDIVIDUALITY, PRODUCTION** and **TRANSMITTING ABILITY.**

We offer only good individuals and our surplus stock finds ready sale among progressive dairy farmers desiring dependable breeding animals from a conservative herd of our own raising

Special $125

Handsome, largely white bull calf, carrying a double cross of **King Segis** blood, his sire being **King Segis Pontiac Clorinda** (King Segis—King of the Pontiacs) and his dam a 23-lb. daughter of **Winana De Kol King Segis** (King Segis—Hengerveld De Kol).

Better wire us to reserve pending correspondence, if you want this one.

Auray Farms

F. M. AVERY **I. M. AVERY** Manager

Sparta, Sussex County, N. J.

The Walworth County Meeting

By FRANCIS DARCEY

Nature could hardly have been more bounteous in providing a place so richly picturesque as that along the banks of Delevan Lake for Holstein enthusiasts to gather on the occasion of their annual picnic, Tuesday, June 20th. A beautiful woodland nestling by the side of a still more charming body of water, it indeed approximated the ideal in a degree as close as could be desired. Here a goodly number of Holsteinites collected, five miles distant from Elkhorn and three miles from that town known far and wide among breeders of black and whites as the home of Malcolm H. Gardner. True enough, the attendance was not what it should have been in point of numbers, owing partially to inclement weather and in part to weaning influences of a home-coming celebration at Delevan. But what the meeting lost in point of slim attendance was more than compensated for bv the energetic, enthusiastic spirit manifested on all sides.

After a sumptuous meal, Mr. Waterous, President of the Walworth County Association, introduced Mr. John B. Irwin as speaker of the day. In approaching his subject, Mr. Irwin stated that it gave him great pleasure to have the privilege of addressing a body of Holstein breeders in this, the greatest of Holstein states, with the one exception of New York, in the Union. He then proceeded to emphasize how gratifying it was to him tc see so many women folks in attendance. A woman's interest and assistance in Holstein work is a great source of inspiration, he stated. And while they were not called on to do the more laborious tasks as women folks are called on in Holland, still office work done bv the gentler sex which invariably lends added inspiration, is often indispensable. Such, at least, was Mr. Irwin's personal experience, since he insisted that the aid lent by his wife's participation and interest in the business has contributed largely to his success.

There's a woeful lack of appreciation of the importance of type in connection with production, Mr. Irwin continued in effect. A scale of points has been established by competent authorities, based on a type that has proven by experience to be best suited to production. Too many breeders disregard the all-importance of reckoning with this scale of points in making their purchases. As evidence of the necessity of taking type into consideration in the selection of Holsteins, the speaker cited the following instance:

Mr. Moscrip of Lake Elmo, Minnesota, known far and wide as one of our keenest judges in the show ring, ventured the statement in the presence of Mr. Irwin that he believed he could pick the five best cows out of most any herd. Accordingly Mr. Irwin suggested that he test his skill on his, Mr. Irwin's, herd, with the result that Mr. Moscrip picked—that being some years ago—Duchess Skylark Ormsby, her daughter, a sister to Pietertje Maid Ormsby, who afterwards made a thirty-two lb. record, and two others which later on performed in advance of thirty lbs. each. Mr. Moscrip, he observed, has built up his herd, guided solely by the scale of points with reference to type, and as a consequence, to-day has one of the very best herds in the country.

In referring to the oft repeated assertion that the Holstein cow is not

We offer a few good young

Holstein Bulls

from good dams at reasonable prices

Hearts Delight Farm
Chazy, N. Y.

KING KORNDYKE PONTIAC LASS

The $10,000 Son of K. P. Pontiac Lass

the only 44-lb. cow from a 34-lb. dam, is now at the head of the

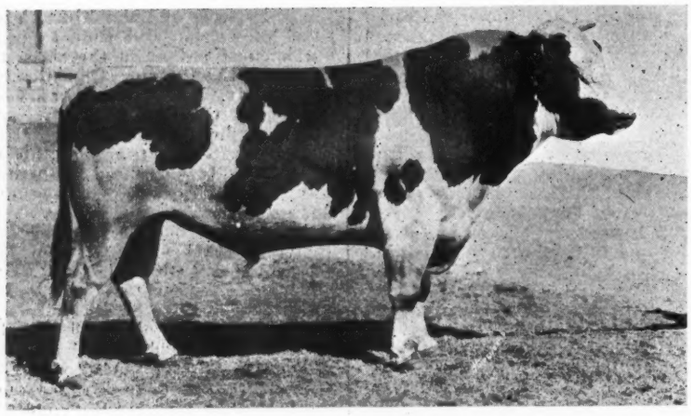
IOWA BELL HERD OF HOLSTEIN-FRIESIANS

If you want a herd sire with unparalleled breeding, send your high record cows to this bull. Here is the greatest opportunity ever put before Corn Belt breeders. Write me for particulars.

C. S. MULKS **Riceville, Iowa**

King Segis Pontiac Alcartra

NUMBER 79602 : : : : : : : : : : THE $50,000 SIRE



KING SEGIS PONTIAC ALCARTRA

He is the only bull of any breed that has had three sons sell in Public Auction for $10,000 or more each and his sire is the only other bull to have two sons sell at Public Auction for $10.000 or more each and King himself was one of these.

WHY IS THIS A FACT?

Because of his **Superb Breeding, Faultless Individuality, Unapproached Opportunity, Remarkable Offspring.**

All of last season's calves are sold; however, some of our high record cows are now freshening to King Segis Pontiac Alcartra. If you want a son of the King, now is the time to get him, for they all go young.

Correspondence Solicited.
Visitors Welcome.

LAWSON HOLDING COMPANY

LA GRANGEVILLE **NEW YORK**

We offer a Son of Friend Hengerveld De Kol Butter Boy

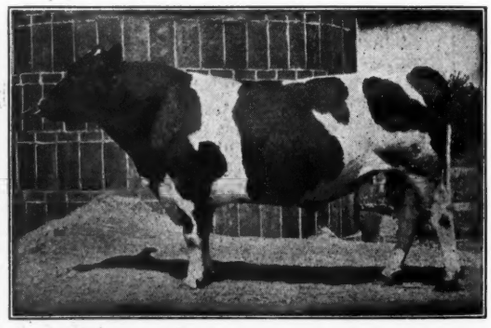
out of Maplecrest Pontiac De Kol Lady—Semi-official, 1 year, Butter 1018.43 (4 years) 7 days 31.12 (5 years).
Friend Hengerveld De Kol Butter Boy has 4 daughters over 1000 lbs. and 3 over 1200 lbs. semi-official.
Dam's sire Pontiac Aaggie Korndyke has 5 daughters over 1000 lbs. and 3 over 1200 lbs. semi-official.

Evenly marked—straight, broad and deep.

LUCILLE JOLIE PONTIAC
Fat 19.148, Milk 463.10
Sr. 4-year-class—8 mo. division (World's Record)

ONA CLOTHILDE DE KOL
(12 years) Butter 26.44
Milk 668.50

Young Bulls from above Cows For Sale



ONA FEDORA DE KOL
Butter 30.52, Milk 650.60

ONA BUTTON DE KOL
Butter 30.29, Milk 608.40

ONA CLOTHILDE WAYNE
Butter 32.60, Milk 767.10

MAPLECREST PONTIAC HARTOG 62178 — Senior Sire

The only bull in the World having thirteen 30-lb. sisters, two of which exceeded 35 lbs., three having yearly records in excess of 1200 lbs., and five above 1000 lbs. His dam is Ohio's first 30-lb. cow. She has a daughter having a yearly record of over 12000 lbs., who in turn has a 1200-lb. daughter.

SIR PIETERTJE ORMSBY MERCEDES 40th 132722 — Junior Sire

THIS YEAR EIGHT COWS PRODUCED 94 TO 114.10 POUNDS OF MILK IN TWENTY-FOUR HOURS

MEADOWHOLM HOLSTEIN COMPANY **CHESTERLAND, OHIO**

PETER SMALL, President and General Manager **KARL NIMS, Herdsman**

an economical producer, Mr. Irwin stated that he had tired of it and determined to investigate the proposition thoroughly. In his researches he found that with one exception in the various dairy breeds, other than the black and whites, the larger the production the greater the net profit and by applying a little logic, he concluded that the above deduction must needs be true of the still larger productions of animals in the Holstein breed, and as a mere commercial proposition, the utilization of roughage by the Holstein to greater extent than animals of other breeds and the fact that agricultural colleges unqualifiedly extoll the merits of the black and whites along these lines all point with surety of the contention that the Holstein is an economical producer.

And Mr. Irwin dwelt at length on the importance of intelligent breeding and negatively of the folly of the haphazard development of dairy cows.

Wisconsin, he stated, has three notable examples of the success that can be attained when dairy men breed to a purpose, namely, Messrs. Gillett, S. B. Jones, and Gardner, all of whom have done work so constructive in character that their names will go down in Holstein history, never to be forgotten. And he, Mr. Irwin, has tried to profit by these achievements, he asserted. He has studied their accomplishments thoroughly, together with the accomplishments of Mr. Stevens in combining the blood of Hengerveld De Kol with that of Pontiac Korndyke and by a fusion of these strains with that of the Homestead and Johanna blood, he feels that he is more justified in hoping for future success in his breeding operations. As he said: "By thus fortifying the lines of my pedigree, I can better hope for greater results."

At the conclusion of Mr. Irwin's address, Mr. C. A. Schroeder gave a brief talk on the constructive work being done by the State Holstein Breeders' Association of which Mr. Schroeder is Secretary. He told of the pamphlet being compiled by the Association, the main features of which were recently outlined in the World. He argued strongly for greater co-operation from breeders of the state; he also emphasized the importance of keeping the merits of the breed to the front; of the sad fate of many Jersey breeders because they failed to realize the importance of this principle. And at the juncture, Mr. Irwin said by way of corroboration, "We should adopt the slogan of the western breeder, 'Early to bed, early to rise; work like h—— and advertise.'"

In conclusion Mr. Waterous made a strenuous appeal for increased membership and more active co-operation on the part of old members.

BREEDERS, HERE'S A BARGAIN— Willowdale offers royal bred bull calf born May 8, 1916, large of his size, straight on the back, with a nice square rump, in other words, a fine individual. His sire, a grandson of Admiral Walker Pietertje, has three 30-lb. daughters. Sire's dam made 31.76 lbs. butter and over 700 lbs. of milk in 7 days. Dam is a nice granddaughter of the famous century sire, Paul Beets De Kol, 112 A. R. O. daughters. The first check of $100 delivers this calf, express paid, to your station.

W. B. JEWETT, EVANS MILLS, N. Y.
Willowdale Stock Farm.

ONE OPPORTUNITY GONE
Here's Another One

The bull advertised recently has been sold to Mr. Jacob W. Eby of Elkhart, Indiana. The bull is of superb breeding, being a son of Finderne Countess, a 25.65-pound junior 2-year-old daughter of Gordon Glen Pontiac and sired by a 33.76-pound son of Pontiac Korndyke. Mr. Eby will use the bull on his select herd of Burke Korndykes and Pontiacs, one of the finest in Indiana. **We are now offering for sale a son of the new 31.104-pound cow, Hilldale Gem Segis, who is a daughter of King Segis Beets. Sire of the bull is Prince Korndyke Pontiac, a 33.76-pound son of Pontiac Korndyke. Bull is 2 years old.**

Get in quick on this one.

Hugh J. Davis

Broadalbin : : New York

KING OF THE BLACK AND WHITES

His six nearest dams are all 30-lb. cows. Nine of his daughters sold during the past winter at an average of $860.00.
Bull ready for service. Dam, a 23.24-lb. 2½-year-old.
One nearly ready for service, also bull calf from a 23.27-lb. at 3¼ years old, born January 26, 1916. If interested in any of these write for pedigree.

LOCKHART HOLSTEIN FARM - SOLSVILLE, N. Y.

What are you kicking about

you men who think you do not get proper value for your stock?

To sell an article for what it is worth you must convince your customer that the value is there. In no way can you better impress your customer with the great blood lines represented in your animals than by showing pedigrees compiled from our vast system of records. We set forth only facts and in a clear, concise, readable manner, and the information given is obtained from the greatest system of records in existence for this line of work.

"The best is cheapest in the end."

Write at once before you lose another sale for the want of pedigrees.

All kinds of office forms.

Sales Management that Satisfies

Liverpool Sale & Pedigree Co., Inc.
Liverpool, N. Y.

CAZENOVIA BREEDERS

LORENZO FARM
Cazenovia, N. Y.
Inquiries asked for A. R. O. cattle
Charles S. Fairchild

FOR SALE—Farm of 108 acres, 10 acres in alfalfa, 30 more will raise alfalfa, 10 acres good for garden truck if wished. Buildings all newly repaired, new silo, barn 90 feet long, 30 stanchions, 5 horse stalls, 2 box stalls, 10-room house with running water in house and barns. The farm is well watered, never fails. This farm is 20 minutes drive from four villages. Wintered 30 head of cattle and 5 horses last winter and sold hay. Had 20 tons ensilage left. Now if it is a bargain you want in a farm, it will pay you well to come and see me. I also have 3 more farms to sell and they must be sold. Terms easy.

R. D. LEE **CAZENOVIA, N. Y.**

MEADOWOOD FARMS, Cazenovia, N. Y.
PURE BRED PEDIGREED
HOLSTEIN-FRIESIAN CATTLE
CHESTER WHITE SWINE
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I HAVE A 1915 7½-H. P. INDIAN MOTORCYCLE, nearly new, in fine running condition, that I wish to exchange for registered Holstein-Friesian heifer calves. The motorcycle is fully equipped.
Harold B. Lee **Cazenovia, N. Y.**

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Every Holstein-Friesian Breeder Needs the Blue Book to Aid Him in Making His Breeding Operations Successful.

Have you subscribed for the 26th volume? You cannot afford to be without it. All experienced breeders consider the book indispensible in tracing the breeding and relationship of A. R. O. animals. The 26th volume has been ready for distribution since November 1st. It contains 1,170 pages of condensed information relating to Holstein-Friesian cattle, including the whole Advanced Register of last year. The Official name of the book is Advanced Register Year Book, and the price is $2.00 per copy, to all alike. A limited number of the 24th aud 25th volumes is yet on haud. Be sure to designate which volume you want and send all applications with price to:

M. H. GARDNER, Supt. A. R.
Delevan, Wis.

Seven-Day Butter-Fat Records

(Continued from page 1506)

Rank of Prize	Name of animal and Owner	Age at Date of Calving		Lbs. of Fat	Ave. % Fat	Total lbs. Butter Fat	Am't of Prize
	St. Paul, Minn.	4	2	469.1	5.19	24.332	15.00
13	Traverse Inka Johanna, State Hospital, Traverse City, Mich.	4	0	661.5	3.68	24.330	$14.50
14	Hilldale Pietje Korndyke Abbekerk, F. M. Jones, Clinton, N. Y.	4	3	543.5	4.44	24.136	14.00
15	Omaha Wayne Kalmuck, B. B. Davis, Omaha, Neb.	4	2	488.4	4.92	24.046	13.50
16	Lilith Hengerveld Korndyke, Thos. H. Dyer, Wingdale, N. Y.	4	3	527.5	4.54	23.958	13.00
17	Queen pontiac Gale, Oneida Community Ltd., Kenwood, N. Y.	4	2	547.9	4.35	23.816	12.50
18	Bloomingdale Hengerveld Elzevere 2d, Quentin McAdam, Utica, N. Y.	4	2	553.2	4.26	23.581	12.00
19	Korndyke Beets De Kol, Herman Steffen, Monroe Wash.	4	0	547.2	4.29	23.450	11.50
20	Hollywood Adventuress Evelina, F. S. Stimson, Hollywood, Wash.	4	0	642.2	3.62	23.274	11.00
21	Yankee Daisy, E. S. Robinson, Forestville, N. Y.	4	0	447.1	5.20	23.231	10.50
22	Pauline Paul De Kol Aaggie, M. M. Slocum, Barneveld, N. Y.	4	3	561.4	4.13	23.202	10.00
23	Lillie De Kol Pietertje 2d, Gardiner Hall, Jr., & Co. S. Willington, Conn.	4	2	620.5	3.73	23.119	9.50
*	Queen Piebe Mercedes, E. C. Schroeder, Moorhead, Minn.	4	4	640.9	3.61	23.117	
*	Nutula Fobes 2d, A.W. Morris & Sons Corp., Woodland, Cal.	4	5	470.9	4.90	23.092	
24	Lady Mink Korndyke, Harry B. Davis, Chester, N. Y.	4	4	506.3	4.50	22.773	9.00
25	Schilling Oak Fobes, F. L. Stone, Benson, Minn.	4	5	603.4	3.77	22.766	8.50
26	Cascade Jeannie, Greenbank Co., Greenbank, Wash.	4	2	589.3	3.85	22.676	8.00
*	Korndyke Vale Ormsby, Stevens Brothers Co., Liverpool, N. Y.	4	0	512.9	4.39	22.527	
17	Eagle Rigtje Belle, Truttschel Brothers, Sheboygan Falls, Wis.	4	2	572.0	3.92	22.421	7.50
28	Lois Beryl De Kol Beets 2d, Melvin & Godfrey, Inc. Baldwinsville, N. Y.	4	5	528.1	4.25	22.420	7.00
*	Lilith De Kol Clyde 2d, Oliver Cabana, Jr., Elma Center, N. Y.	4	3	481.3	4.66	22.408	
29	Eva Deane De Kol, Est. Jos. Haviland, Glens Falls, N. Y.	4	3	688.3	3.25	22.387	6.00
*	K. P. State Bells, Stevens Brothers Co., Liverpool, N. Y.	4	4	479.2	4.65	22.268	
30	Ruby Segis Beets, A. A. Brown, Georgetown Sta., N. Y.	4	5	524.8	4.24	22.257	5.00

Number of Competing Records, 1,050. Average age of cows, 4 years, 2 months, 17 days; days from calving, 19; milk, 449.1 lbs.; per cent fat, 3.60; fat, 16.163 lbs.

CLASS 3½.—COWS THREE AND ONE-HALF YEARS AND UNDER FOUR YEARS

1	Lady Pontiac Johanna, Oliver Cabana, Jr., Elma Center, N. Y.	3	6	658.3	5.08	33.449	$25.00
2	Finderne Alexis Pontiac, Bernhard Meyer, Finderne N. J.	3	9	578.7	5.25	30.405	24.00
3	Finderne Netherland Fayne, Bernhard Meyer, Finderne, N. J.	3	9	567.1	5.24	29.706	23.00
*	Finderne Mutual Fayne, Bernhard Meyer, Finderne N. J.	3	11	499.0	5.89	29.380	
*	Finderne Wachusett Fayne, Somerset Holstein Breeders Co., Somerville, N. J.	3	10	642.7	4.43	28.484	
*	Finderne Soldene Hengerveld, Bernhard Meyer, Finderne, N. J.	3	11	486.6	5.81	28.270	
4	Agnes Pietje, Tyler & Wilson, Dryden, N. Y.	3	9	529.7	5.27	27.890	22.00
5	Woodcrest Ina De Kol 4th, Woodcrest Farm, Rifton, N. Y.	3	9	618.0	4.47	27.640	21.00
6	Ilmata Pietje, Tyler & Wilson, Dryden ,N. Y.	3	9	532.3	51.5	27.419	20.00
7	K. P. Mercedes Prilly, W. H. Miner, Chazy, N. Y.	3	11	525.8	5.21	27.397	19.00
8	Fancher Farm Maxie, A. T. Fancher, Salamanca, N. Y.	3	9	553.1	4.79	26.502	18.00
*	Orchard Grove Auburn Segis, Oliver Cabana, Jr., Elma Center, N. Y.	3	9	668.8	3.88	25.929	
*	K. P. Gem, Stevens Brothers, Co. Liverpool, N. Y.	3	9	522.1	4.88	25.458	
9	Pabst Blackberry, Fred Pabst, Oconomowoc, Wis.	3	6	539.1	4.70	25.340	17.00
10	Woodcrest Sarcastic Princess, Woodcrest Farm, Rifton, N. Y.	3	9	611.2	4.09	25.024	16.00
11	Flint Bertjusca Pauline, D. D. Aitken, Flint, Mich.	3	11	614.7	4.06	24.986	15.50
12	Woodcrest Isabella Pietje, Woodcrest Farm, Rifton, N. Y.	3	6	464.1	5.38	24.950	15.00
13	Masterpieec Korndyke Betty, Henry Stevens & Son, Lacona, N. Y.	3	11	426.1	5.80	24.700	14.50
14	Eagle Rigtje Jessie, Truttschel Brothers, Sheboygan Falls, Wis.	3	11	497.1	4.86	24.171	14.00
*	Bessie Homestead 2d, State Hospital, Mt. Pleasant, Iowa	3	11	464.3	5.17	23.993	
*	Fairmount Queen Segis Hartog, John Arfmann, Middletown, N. Y.	3	7	521.1	4.54	23.655	
15	Famous Mechthilde Hengerveld, Fred J. Karlen, Winslow, Ill.	3	7	446.9	5.27	23.548	13.50
16	Lorna Doone Colantha, James Phelan, Forestville, N. Y.	3	8	599.6	3.85	23.080	13.00
17	Woodmont Duchess Rose, State School of Agriculture, Morrisville, N. Y.	3	6	541.2	4.26	23.046	12.50
18	Beauty De Kol Butter Maid Segis, Frank White, Woodstock, Ill.	3	10	571.2	4.01	22.883	12.00
19	Wellsland Sadie Korndyke, N. W. Salmon, Glenfield, N. Y.	3	11	537.1	4.25	22.822	11.50
20	Agnes Johanna Elmtree, Harry Yates, Orchard Park, N. Y.	3	10	488.6	4.66	22.772	11.00
21	Orchard Grove Segis, W. W. Jennings, Towanda, Pa.	3	10	558.7	4.06	22.702	10.50
22	Johanna Blanche Tritomia, David Monroe, Spokane, Wash.	3	6	458.2	4.89	22.426	10.00
23	Greenwood Molly Lyons, Thos. H. Dyer, Wingdale, N. Y.	3	11	515.2	4.35	22.423	9.50
*	Helen Nye Skylark, A. W. Morris & Sons Corp., Woodland, Cal.	3	7	441.9	5.07	22.411	
*	S. V. H. Pansy, W. D. Robens, Poland, N. Y.	3	11	424.4	5.28	22.411	
24	Lady Dora Johanna, David McKeown, Gresham, Oreg.	3	11	573.0	3.89	22.277	9.00
25	Pietje Alban De Kol, E. C. Petrie & Son, Elkhorn, Wis.	3	10	582.4	3.82	22.267	8.50
26	Piebe Mooie Fayne, Carnation Stock Farms, Seattle, Wash.	3	6	590.2	3.73	21.998	8.00

*Debarred

This Should Start You Thinking

▼

Thirty-Four Daughters of King of the Pontiacs average over 30 pounds butter in 7 days

Six of his seventeen 30-lb. daughters made their 30-lb. records at the age of three years (with second calf).

This should cause the thinking breeder to decide that he is missing the best opportunity of the breed if he is not playing strong for this blood in his herd. If *your* herd is low in butterfat, a son of the "King" is the answer. His daughters average 4% fat.

Write us at once for some exceptional bargains in bulls, either sons of *"King"* or from his daughters.

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Liverpool - New York

NOTE—The place to get the "King's" blood is where the "King" lives.

HAMILTON BREEDERS

Sunny Slope Herd Offers

Bull calf born February 1st, '16. Dam is a 26.67-pound daughter of Artis De Kol Walker, No. 35605. Sire is a 31-pound bull. Write for pedigree and price.

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For Quick Sale

A few choice young bull calves from a grandson of Hengerveld DeKol and from tested dams. Prices $50 to $75.

Chenango Farms Hamilton, N. Y.

FOR SALE

A young herd of nine heifers and a yearling bull. Four heifers bred to calve in the fall by King Pontiac Canary Walker, and the others now with young bull.

This bunch will be sold with the privilege of buyer to test them sixty days after he gets them and price refunded if any go wrong.

J. GRANT MORSE

LAUREL FARM HAMILTON, N. Y.

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Daughters of Changeling Butter Boy 41398 and Tidy Abbekerk Prince 37770. We have a few bulls left, yearlings and calves. Write for yarticulars.

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Your dealer has Carbola. If not, send his name and your order to us.

CARBOLA CHEMICAL CO.

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Rank of Prize	Name of animal and Owner	Age at Date of Calving		Lbs. of Fat	Ave. % Fat	Total lbs. Butter Fat	Am't of Prize
*	Fairmount Pauline De Kol, John Arfmann, Middletown, N. Y.	3	7	474.1	4.64	21.995	
27	Delta Johanna Pontiac, E. E. Risley, Walton, N. Y.	3	7	572.0	3.84	21.985	7.50
*	Pearl Beets 2d, A. W. Morris & Sons Corp. Woodland, Cal.	3	6	473.5	4.62	21.877	
28	Terracelawn Edith Korndyke, H. C. Swartout, Hartwick Seminary, N. Y.	3	10	488.9	4.47	21.836	7.00
29	Otsquago Princess Ormsby, D. H. Springer, Jordanville, N. Y.	3	11	560.7	3.88	21.756	6.00
*	Princess Segis 2d, H. A. Moyer, Syracuse, N. Y.	3	7	461.9	4.71	21.738	
30	Woodcrest Abbekerk Queen, Tranquility Farms, Allamuchy, N. J.	3	10	492.0	4.40	21.669	5.00

Number of Competing records, 1,098. Average age of cows, 3 years, 9 months, 7 days; days from calving, 20; milk, 424.4 lbs.; per cent fat, 3.63; fat, 15.397 lbs.

CLASS 3.—COWS THREE YEARS AND UNDER THREE AND ONE-HALF YEARS

1	Lady Waldorf Pietje, A. C. Hardy, Brockville, Ont.	3	2	600.2	4.28	25.699	$25.00
2	Topsy Korndyke Beets, George M. Christy, Beemerville, N. J.	3	2	615.6	4.17	25.670	24.00
3	Korndyke Polkadot Pontiac, Stevens Brothers Co., Liverpool, N. Y.	3	2	485.2	5.28	25.630	23.00
*	Finderne Johanna Fayne, Somerset Holstein Breeders Co., Somerville, N. J.	3	1	533.3	4.79	25.558	
4	Lulu Inka Pietertje Pontiac, F. N. Watkins, Camden, N. Y.	3	1	581.4	4.33	25.174	2.002
5	Lady Acmeanna Ormsby De Kol, M. J. Smiley, Bellefourche, S. Dak.	3	5	502.3	4.96	24.908	21.00
*	K. P. Lilith Altoana, Stevens Brothers Co., Liverpool, N. Y.	3	2	501.6	4.92	24.682	
6	Vanderkamp Segis De Kol, F. C. Soule, & Sons, Syracuse, N. Y.	3	3	413.4	5.90	24.746	20.00
7	Wellsland Aaggie Korndyke, N. W. Salmon, Glenfield, N. Y.	3	0	481.0	5.09	24.466	19.00
8	K. P. Hartog Hengerveld, Allamuchy Farms, Allamuchy, N. J.	3	4	552.4	4.42	24.390	18.00
9	Maldeta Mercedes De Kol, Ed. Moorhead, Outlook, Wash.	3	3	464.5	4.97	23.084	17.00
10	Queen Walker Pietertje, A. A. Hartshorn Holstein Co., Hamilton, N. Y.	3	4	503.3	4.58	23.026	16.00
*	Finderne Wayne Fayne, Somerset Holstein Breeders' Co., Somerville, N. J.	3	2	462.3	4.94	22.850	
11	Uneeda Korndyke Ella, E. Le Roy Pelletier, Pontiac, Mich.	3	1	529.1	4.31	22.793	15.50
12	Margie Juanita, Charles Eldridge, Chimacum, Wash.	3	2	639.3	3.54	22.646	15.00
13	Rag Apple Lorrie Prilly, Frank R. Lillie, Arlington, Heights, Ill.	3	2	467.2	4.82	22.503	14.50
14	Braeside Amarilla Colantha, Gardiner Hall, Jr. & Co., Tully, N. Y.	3	1	601.5	3.70	22.244	14.00
15	Colantha Pietertje Inka, H. G. Padget, Tully, N .Y.	3	3	378.8	5.83	22.066	13.50
16	Majella Maid Black Bessie, Peter Small, Chesterland, Ohio	3	3	587.5	3.74	21.996	13.00
17	Bonalevo Walker Korndyke De Kol, R. E. Chapin, Batavia, N. Y.	3	2	458.3	4.76	21.800	12.50
18	Abbekerk Lady Colantha, A. L. Williams, Fond du Lac, Wis.	3	1	554.8	3.93	21.795	12.00
19	Eagle Rigtje Queen, Truttschel Brothers, Sheboygan, Falls Wis.	3	5	520.7	4.18	21.781	11.50
*	Belle De Kol Lockhart 4th, A. C. Hardy, Brockville, Ont.	3	0	521.1	4.14	21.594	
20	Wayne Segis Pietertje, Est. Henry B. Favill, Lake Mills, Wis.	3	5	423.3	5.08	21.486	11.00
21	Creston Coloma Beauty, P. Buth, Grand Rapids, Mich.	2	3	549.8	3.88	32.318	10.50
22	Ashburn Segis Pauline, J. J. Reid, Oconomowoc, Wis.	3	2	477.5	4.45	21.252	10.00
23	Inka Mary Colantha, James Phelan, Forestville, N. Y.	3	3	461.4	4.60	21.243	9.50
24	Creamelle Topsy Ormsby Tobe, E. P. Boyson, Rome, N. Y.	3	3	639.8	3.31	21.199	9.00
25	Houwtje Pietertje Fobes De Kol, State Hospital, Newberry, Mich.	3	1	394.0	5.38	21.187	8.50
26	Princess Pontiac Frenesta Burke, Wm. Bishop, Chimacum, Wash.	3	3	631.7	3.35	21.176	8.00
27	K. H. S. Tehee Cornucopia, A. W. Brown, W. Winfield, N. Y.	3	2	524.2	4.04	21.156	7.50
28	Shelter Valley Dorena Pontiac, R. M. Stone & Son, Marcellus, N. Y.	3	0	506.4	4.18	21.146	7.00
29	Grant Korndyke De Kol, Geo. H. Gillespie, Mason, Mich.	3	1	496.9	4.25	21.109	6.00
*	Vanderkamp Segis Florie, F. C. Soule & Sons, Syracuse, N. Y.	3	5	498.8	4.22	21.060	
30	Frisby Homestead Fobes, David Monroe, Spokane, Wash.	3	0	431.8	4.88	21.053	5.00

Number of Competing Records, 1,400. Average age of cows, 3 years 2 months, 21 days; days from calving, 18; milk, 404.1 lbs.; per cent fat, 3.60; fat, 14.560 lbs.

CLASS 2½.—COWS TWO AND ONE-HALF YEARS AND UNDER THREE YEARS

1	Eva May Ellis 5th, Allamuchy Farms, Allamuchy, N. Y.	2	8	503.5	4.99	25.127	$25.00
2	Edith Pledge Segis, Oneida Community Ltd., Kenwood, N. Y.	2	10	450.9	4.96	22.371	24.00
*	Judge Hengerveld De Kol Hopkins, Bernhard Meyer, Finderne, N. J.	2	8	482.4	4.53	21.872	
3	K. P. Polly Winana, Stevens Brothers Co., Liverpool, N. Y.	2	8	504.2	4.34	21.865	23.00
4	Pietertje Fayne Johanna, A. A. Cortelyou, Somerville, N. J.	2	11	483.4	4.51	21.802	22.00
*	Elnoradale Pietje Paula, O. L. Wilkinson, Rexville, N. Y.	2	11	596.1	3.64	21.725	
5	Fairmount Meta Ward, John Arfmann, Middletown N. Y.	2	8	410.6	5.29	21.702	21.00
6	Butter Girl Johanna, Elmer Blossom, Cuba, N. Y.	2	11	674.8	3.19	21.513	20.00
7	S. V. H. De Kol, W. D. Robens, Poland, N. Y.	2	7	414.1	5.15	21.330	19.00
8	Pride Pontiac, H. C. Davis, Granger, Wash.	2	8	478.9	4.44	21.263	18.00
*	K. K. S. V. Edith Veeman, W. D. Robens, Poland, N. Y.	2	7	446.6	4.71	21.024	
*	K. P. Cornucopia, Steven sBrothers Co., Liverpool, N. Y.	2	8	462.8	4.54	20.998	
9	Tennessee Korndyke of Belle-Ellen, James N. Jarvie Beemerville, N. J.	2	7	516.0	4.03	20.801	17.00
10	Houwtje Korndyke Pontiac De Kol, Geo. H. Gillespie, Mason, Mich.	2	11	441.7	4.65	20.551	16.00

*Debarred

Rank of Prize	Name of Animal and Owner	Age at Date of Calving		Lbs. of Fat	Ave. % Fat	Total lbs. Butter Fat	Am't of Prize
11	Jewel De Kol Hartog, P. Buth, Grand Rapids, Mich.	2	11	481.4	4.20	20.201	15.50
12	Eva Riverside of Tuolumme, B. A. Rhoades, Los Angeles, Cal.	2	11	454.0	4.43	20.090	15.00
13	Twin Brook Lass, W. B. Devaney, Berwyn, Pa.	2	10	546.3	3.62	19.797	14.50
*	Finderne Ruby Korndyke, Bernhard Meyer, Finderne, N. J.	2	8	392.2	5.03	19.725	
14	Lady Nephele Hengerveld, F. B. Loren, Central Square, N. Y.	2	10	413.1	4.74	19.595	14.00
15	Nutula Queen Alcartra 3d, A. A. Merkley, Sacremento, Cal.	2	7	423.6	4.62	19.568	13.50
16	Phoebe Cornucopia, Charles Eldridge, Chimacum, Wash.	2	9	575.2	3.39	19.500	13.00
*	Princess Gisella Walker, Jos. M. Hackney, St. Paul, Minn.	2	10	494.2	3.93	19.410	12.50
17	Ina De Kol Copia Hengerveld, Oneida Community Ltd., Kenwood, N. Y.	2	11	500.2	3.87	19.350	12.50
18	Belle Segis Faith, Geo. V. Leighton, Boise, Idaho.	2	11	444.8	4.34	19.340	12.00
19	Pabst Lily of the Valley, Fred Pabst, Oconomowoc, Wis.	2	7	400.5	4.83	19.331	11.50
*	Korndyke Butter Girl Buttercup, Henry Stevens & Son, Lacona, N. Y.	2	11	493.1	4.00	19.264	
20	Imperial Mollie Pietertje, John M. Tobin, Allegan, Mich.	2	6	483.1	3.98	19.251	11.00
21	Iowana Witte, G. M. Brown, Spokane, Wash.	2	9	448.7	4.28	19.207	10.50
22	Wellsland Sadie Korndyke, N. W. Salmon, Glenfield N. Y.	2	11	404.6	4.74	19.169	10.00
23	Lyonsdale Duchess Pontiac Segis, Oscar O. Zehring, Germantown, Ohio	2	8	385.4	4.97	19.137	9.50
24	Carolina Johanna Korndyke, Edward Bleck, Valders, Wis.	2	11	479.8	3.96	18.982	*9.00
25	Beach Colantha Korndyke De Kol, Beach & Wirt, Battle Creek, Mich.	2	10	449.7	4.21	18.932	8.50
26	Dale Korndyke, Harry B. Davis, Chester, N. Y.	2	11	387.6	4.88	18.923	8.00
*	S.V.H. Gem De Kol, W. D. Robens, Poland, N.Y.	2	9	393.3	4.81	18.000	
27	Richland Pontiac Thanatos, C. C. Fries & Son, Richland Center, Wis.	2	11	468.6	3.99	18.680	7.50
*	K. K. S. V. Lola Hengerveld, W. D. Robens, Poland, N. Y.	2	9	393.7	4.73	18.624	
*	Fairmount Alcartra Beets, John Arfmann, Middletown, N. Y.	2	11	484.9	3.84	18.612	
28	Hillside Saxon, J. N. Conyngham, Wilkes-Barre, Pa.	2	11	441.6	4.19	18.504	7.00
29	Johanna Korndyke Netherland, J. H. Hulbert, Jr., Mt. Vernon, Wash.	2	7	420.2	4.40	18.472	6.00
30	Rag Apple Pietertje Hilldale, Frank R. Lillie, Arlington Heights, Ill.	2	10	479.0	3.85	18.456	5.00

Number of Competing Records, 1,292. Average age of cows, 2 years, 9 months, 8 days; days from calving, 23; milk, 355.5 lbs.; per cent fat, 3.59; fat, 12.755 lbs.

CLASS 2.—COWS UNDER TWO AND ONE-HALF YEARS

1	Fairview Korndyke Pietertje, Oliver Cabana, Jr., Elma Center, N. Y.	2	0	500.1	4.83	24.146	$25.00
2	Beauty Girl Pontiac Segis, Jos. M. Hackney, St. Paul, Minn.	2	0	513.3	4.45	22.844	24.75
3	Jewel Pontiac Segis, Jos. M. Hackney, St. Paul, Minn.	2	2	586.5	3.82	22.430	24.50
4	Avon Belle De Kol Pietje, A. C. Hardy, Brockville, Ont.	2	2	438.5	5.00	21.946	24.25
5	Winana Jennie 2d, J. R. Bradshaw, Phoenix, Ariz.	2	1	519.5	4.17	21.680	24.00
6	Finderne Dream Korndyke, Bernhard Meyer, Finderne, N. J.	2	2	390.4	5.40	21.096	23.75
7	K. H. S. Pearl, A. W. Brown, West Winfield, N. Y.	2	1	529.0	3.96	20.955	23.50
8	K. K. S. V. Kate Pontiac, W. D. Robens, Poland, N. Y.	2	5	393.0	5.32	20.925	23.25
9	Rag Apple Lorrie Prilly, Frank R. Lillie, Arlington Heights, Ill.	2	2	393.9	4.90	19.313	23.00
10	Iris De Kol Aaggie Lass, H. M. Dunham & Sons, Marcellus, N. Y.	2	1	452.5	4.27	19.303	22.75
11	Aaggie Nene Cornucopia, Charles Eldridge, Chimacum, Wash.	2	5	566.9	3.40	19.285	2.502
12	Korndyke Ormsby Pontiac, Stevens Brothers Co., Liverpool, N. Y.	2	4	388.1	4.95	19.208	22.25
13	Susie HomesteadHengerveld Fayne, Somerset Holstein Breeders Co., Somerville, N. J.	2	5	473.8	4.05	19.187	22.00
14	Miss Colanth Korndyke Ormsby, John B. Irwin, Minneapolis, Minn.	2	4	475.2	4.02	19.097	21.75
15	Nellie Ann Korndyke, H. A. Palmer, Bridgewater, N. Y.	2	3	404.1	4.72	19.070	21.25
16	Little Goldie of Wayside, A. L. Williams, Fond du Lac, Wis.	2	1	434.1	4.38	19.016	21.25
17	Princess Bowen 2d, A. R. Owen, Goshen, N. Y.	2	4	527.2	3.61	19.006	21.00
18	Zehringhurst De Kol Sarcastic, Oscar O. Zehring, Germantown, Ohio	2	5	340.2	5.55	18.891	20.75
19	Paladin Homestead Jane, John Hiteman, West Winfield, N. Y.	1	11	431.0	4.38	18.865	20.50
20	Orchard Farm Lassie 2d, Charles L. Roberts, Basking Ridge, N. J.	2	0	467.5	4.03	18.843	20.25
21	Hollywood Pauline Fayne, F. S. Stimson, Hollywood, Wash.	2	3	487.2	3.85	18.781	20.00
*	Finderne Rosalind Korndyke, Bernhard Meyer, Finderne, N. J.	2	0	348.3	5.36	18.654	
*	Avon Pietje Korndyke Queen 2d, A. C. Hardy, Brockville, N. Y.	2	2	308.5	4.90	18.637	
*	Avon Belle De Kol Pontiac, A. C .Hardy, Brockville, Ont.	2	0	397.1	4.74	18.623	
22	Mt. Pleasant Girl, State Hospital, Mt. Pleasant, Iowa	2	3	365.2	5.06	18.492	19.75
23	Dutchland Pietertje Changeling, Fred F. Field Holstein Co., Brockton, Mass.	2	5	426.7	4.33	18.471	19.50
24	Forest View Korndyke Beets De Kol, Henry Stevens & Son, Lacona, N. Y.	2	5	503.4	3.65	18.365	19.25
25	Shelter Valley Edna Lyons, R. M. Stone & Son, Marcellus, N. Y.	2	1	474.5	3.86	18.310	19.00
26	Lady Oak Fern Johanna, Fred Albrecht, Watertown, Wis.	2	3	470.6	3.88	18.280	18.75
27	Mary Segis Beets, Gormely Brothers, Jefferson, Wis.	2	2	430.0	4.25	18.271	18.50
*	Finderne Soldene Fayne Korndyke, Somerset Holstein Breeders Co., Somerville, N. J.	2	2	409.5	4.45	18.227	18.25
28	Terpstra Pontiac, H. C. Davis, Granger, Wash.	2	2	460.5	3.94	18.125	18.25
29	Clothilde Korndyke Segis, Geo. Lawrence, Canastota, N. Y.	2	0	425.0	4.26	18.097	18.00
30	Johanna Cornucopia Pauline 5th, C. A. Fisher, Spencer, N. Y.	1	11	426.3	4.24	18.068	17.75

*Debarred

King Lunde Pontiac Korndyke

Is the senior sire at the head of Greenwood Herd.

Sire: King of the Pontiacs, the greatest sire of the breed.

Dam: Lunde Korndyke,one of the finest individuals of the breed and champion semi-official year record cow for 1910-11. 1090.91 lbs. butter, 261927 lbs. milk to her credit.

King Pontiac Josey is our junior herd sire.

Sire: A grandson of Bella Lyons Netherland, the only cow to twice make over 34 lbs. and again pass 32 lbs. She was the first 34-lb. cow to have a 34-lb. dam. Her dam and sire's dam are the only two cows each to have four daughters averaging over 30 lbs.

Dam: Crown Prince Josey, another great year record cow, with 28752.3 lbs. milk, 1227.78 lbs. butter to her credit.

We offer young bulls ready for use. A son of "King Lunde" from a 29-lb. dam; a son of "King Josey" from a 24-lb. daughter of Pontiac Korndyke. Two sons of "King Josey" from A. R. O. daughters of King Linde—also females in calf.

E. H. KNAPP & SON
FABIUS, N. Y.

Sales to be held at Syracuse Sale Pavilion

will be held under restrictions that will absolutely insure the purchaser all animals

The stockholders of the Syracuse Sale Pavilion Company (a corporation whose stock is held by 30 Holstein breeders) in a meeting held in Syracuse April 28th, formulated and adopted by unanimous vote, a set of resolutions designed to raise the standard of future sales to be held in the pavilion. The rules embodied in these resolutions are to apply to all sales held on the premises owned by the corporation and must take precedence over any rules or regulations fixed by the various sale promoters or agencies in charge of these sales.

The following resolutions applying to sales in the Syracuse Sale Pavilion shall form a part of the terms and conditions under which entries are acceptable for such sales:

All animals hereafter offered for sale in the Syracuse Sale Pavilion must pass inspection after arrival at the sale barn by a committee appointed by the Corporation, and no animals rejected shall be allowed to enter the sale ring.

All animals offered must be under nine years old, absolutely sound, in suitable sale condition and free from physical indication of disease. All animals six months old or older, at time of sale, must have passed a tuberculin test, conducted by a state-authorized veterinarian. All females offered that are three years old or older, must have produced a living calf within one year, or show unmistakable evidence of being in calf at time of sale and every animal of either sex must be guaranteed a breeder.

Every animal offered must be pledged to absolute sale, and every discovered violation of this rule will debar the offending consignor from the future privileges of the sale pavilion.

A copy of the foregoing resolutions shall be published in full on all entry blanks and in all catalogues used for sales conducted in the pavilion, and shall form a part of the rules of entry to which each consignor shall subscribe.

It will be the policy of the Sale Corporation to suspend these rules in the case of a sale that shall be announced as a "rummy" sale and so described in every published advertisement and also in the title-page of the catalogues of said sale.

Syracuse Sale Pavilion Co.

Syracuse, N. Y.

N. B. Address all correspondence to the Chairman of Executive Committee, B. V. Kelley, Syracuse, N. Y.

The Cow Solved the Problem

At the present time when so much space in our papers is devoted to rural credits, it is interesting to learn what is being done in Southern Illinois by the Illinois State Bankers' Association and other interested business organizations without the assistance of "easy money" provided by acts of Congress or any State Legislature. For financial interests to conduct a campaign for better agriculture and dairying and to back it with the resources of a state banking organization is unique in the history of American agriculture, but that is what is being done in Southern Illinois.

In the section of Illinois that is known as "Egypt," the farmers have come to realize that the soil cannot stand constant dropping to wheat and corn that has been the practice since first the country was settled. Not only are the crop yields decreasing steadily from year to year, but large gullies are showing bare through the green growing crops, cutting down materially both the yield and the acreage.

Bankers for a long time knew how prosperous banks were in dairy sections. Reading reports from New York, Wisconsin and Michigan, they could tell to the county the dairy sections. They learned, upon corresponding with other banks, that a large number of banks stated: "Every nickel in our institution has been made from the dairy cow." Acting upon this hint, Southern Illinois bankers began to talk dairying to their customers. All were interested, but all the cows they had were beef-breeds and they did not have the money to stock a dairy. Would they be willing to borrow money? Yes, if they could get it at a reasonable rate of interest, but where was the Good Samaritan from whom it could be obtained?

Money was needed to start the movement, but the cries for financial assistance were unheeded by the State of Illinois. Dairy Commissioner W. Scott Matthews found that his department lacked the necessary funds. He called together the Illinois State Dairy Association and the Business Men's Dairy Extension Movement of Illinois, but still the movement lagged, although the members of both these organiations were willing to put their shoulders to the wheel.

One of the biggest business assets of "Egypt" had been overlooked all this time. That was the Big Four route. One day W. C. Byers, Agricultural Agent of the Big Four Route and the New York Central Railroad, called upon Mr. Matthews. Other railroads traversing the territory had refused to lend their aid. The New York Central, in the East, had been assisting in the campaign for better dairies. Would Mr. Matthews be willing to accept assistance from the Big Four Route? He would. The result was that more than 20 carloads of cows were bought. More than 30 carloads have gone into "Egypt" in less than three months, with orders for five more carloads on the books to be filled as soon as the cows can be found. With Big Four Route assistance the farmers could go to the bankers and assure them that when they bought some cows the Big Four Route would place a bull whose services were 25 cents among them. A veritable avalanche of orders followed.

Holsteins have had the call, fully 90 per cent. of those ordered being of that breed. Bulls placed by the Big Four Route are pure bred Holsteins. These cows average about 8,000 pounds of milk per year, while some have furnished as high as 14,000 pounds, and they cost the farmers an average of about $125 each. All cows have to pass a veterinary examination.

What is the result and what becomes of the milk? Most of it is shipped as cream and shipments of cream have been gaining about 50 per cent per month along the Big Four Route. Creamery concerns are seeking locations in the new dairy section of Illinois. A trip over the Cairo Division of the Big Four Route, through Saline, White and Johnson counties, will reveal Holstein bulls and cows in profusion. Next year the bankers will start an alfalfa campaign as the second step in the campaign for more dairies.

FOR SALE --- Bargain Prices

Three heifer calves sired by a three-fourths brother to King Segis Pontiac Alcartra, the $50,000 bull.

Three heifer calves sired by a 33-lb. bull—a proven sire of great worth. Calves are well grown, one and two months of age. Send for pedigrees and prices.

L. J. CARRIER, - - - PHOENIX, N. Y.

Canadian Records

Official Records of Holstein-Friesian Cows from May 1st to May 31st, 1916

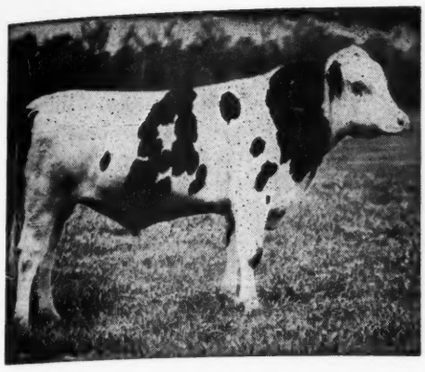
During the month of May the records of 124 cows and heifers were accepted for entry in the Record of Merit. A class of forty-one mature cows is led by Sadie Cornucopia Mignone with 33.36 lbs. butter in seven days and 134.48 lbs. in thirty days. This is the third thirty pound record for the above cow. Second place is occupied by Oakvale Elsie Johanna with 31.75 lbs. while five additional thirty-pound cows follow her on the list. These are Retta De Kol Maida, 31.42 lbs., Daisy Korndyke Beets, 31.20 lbs., Oakvale Inka Johanna, 30.11 lbs., Sara Jewel Hengerveld 2nd B, 30.11 lbs. and Roxie Concordia, 30.02 lbs. In the Senior Four-Year-Old-Class Princess Stella Segis comes first with 29.89 lbs. and Princss Segis Walker second 27.72 lbs. Lady Waldorf Pietje is the only junior four-year-old but her wonderful record of 36.30 lbs butter from 736.7 lbs. milk establishes a new Canadian record for her age. She is also champion for thirty days with 150.95 lbs. and for sixty days with 297.86 lbs. In the Senior-Three-Year-Old class Natoye Maida Pontiac stands highest with 27.45 lbs. while Belle De Kol Pietje leads the juniors with 29.99 lbs. The best Senior Two-Year-Old is Natoye Maida Segis with 20.68 lbs. and Belle Pontiac leads a class of 37 juniors with 23.28 lbs.

MATURE CLASS

Sadie Cornucopia Mignone, 22464, at 7y. 6m. 9d.; ; Milk, 654.4 lbs.; fat 26.69 lbs., equal to 33.36 lbs. butter. Twenty-one day record at 7y. 6 m. 9 d.: Milk, 1822.8 lbs.; fat 75.38 lbs., equal to 94.24 lbs. butter. Thirty day record at 7 y. 6 m. 9 d.: Milk 2600.0 lbs.; fat 107.58 lbs., equal to 134.48 lbs. butter. Owner D. B. Tracy, Cobourg, Ont.

Oakvale Elsie Johanna, 18027, at 6 y. 7 m. 13 d.: Milk, 643.0 lbs.; fat 25.40 lbs., equal to 31.75 lbs. butter. Owner, Dr. L. de L. Harwood, Vaudreuil, Que.

Reita De Kol Maida, 14520, at 5 y. 11 m. 12 d.: Milk 710.2 lbs.; fat, 25.13 lbs., equal to 31.42 lbs. butter. Thirty day record at 5 y. 11 m. 12 d.: Milk, 2924.7 lbs.; fat, 98.32 lbs., equal to 122.90 lbs. butter. Owner, J. W. Stewart, Lyn, Ont.

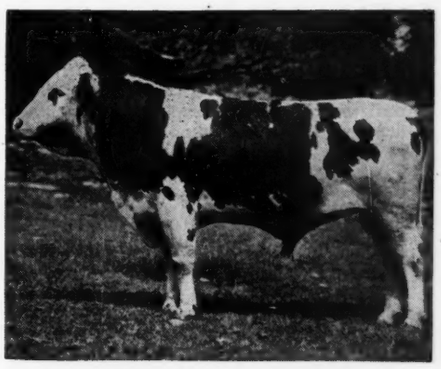


King Korndyke Wayne Veeman 109336

Joint Owners

E. E. Risley
Hill Pine Farms
Walton, N. Y.

Mrs. W. L. Terry
Locust Grove Farm
Walton, N. Y.



King Pontiac Pleione 72852

WE LIKE THIS COMBINATION

Our senior sire, **King Pontiac Pleione,** has 125 living daughters, and more coming. His list of 14 official record daughters includes 3 two-year-olds with records of 22 to 23.67 lb., another two-year-old above 20 lb., and a 27-lb. three-year-old. He is a son of King of the Pontiacs (159 A. R. O. daughters—10 above 30 lb.), and Pontiac Pleione, the greatest producing daughter of Hengerveld De Kol, as well as one of his best daughters individually.

On the daughters of King Pontiac Pleione we are using **King Korndyke Wayne Veeman 109336,** who was by King Korndyke Sadie Vale and from a 30.9-lb. four-year-old daughter of Sir Veeman Hengerveld (7 30-lb. daughters, and more above 29 lb. than any other living sire). King Korndyke Sadie Vale is the only bull having a 41-lb. dam and a 40-lb. sister. His three nearest dams and a daughter each of his sire and dam average about 37.5 lb.—an unapproached showing. His first four daughters, all being jr. two-year-olds, average 24.27 lb. butter in 7 days, another unapproached showing.

Is it wrong to figure that this combination will get results? The youngsters certainly look the part.

None of the daughters of the above bulls will be disposed of by their owners until they have been officially tested.

SERVICE FEES FOR APPROVED COWS TO INSURE LIVE CALF $50.00

WHO PUT THE QUALITY IN ORMSBYS?

HE SURELY DID A GOOD JOB. SEE THE LIST

SOME ORMSBYS

Duchess Skylark Ormsby
World's records for all periods from 90 days to 1 year.

Ormsby Jane Segis Aaggie
World's record for seven and 30 days.

Sadie Vale Concordia 4th
World's record four-year-old. (Sire, Duchess Ormsby Piebe Burke.)

Pietertje Maid Ormsby
World's record cow.

Bloomingdale Hengerveld Ormsby
World's record three-year-old.

Bess Pietertje Ormsby Mercedes
World's record three-year-old, both in milk and butter-fat.

Insen Piebe Mercedes
World's record 2-year-old. (Sire, Sir Pietertje Ormsby Mercedes.)

HENGERVELD DEKOL AND PONTIAC KORNDYKE COMBINATION

King of the Pontiacs
World record daughters

King Segis Pontiac Alcartra
World's record price.

K. P. Pontiac Lass
World's record.

Pontiac Aaggie Korndyke
World's record for 30-lb. daughters.

Pontiac Lady De Kol
World's record.

Pontiac Pet
World's record.

Pontiac Clothilde De Kol 2d
World's record.

Sir Korndyke Hengerveld De Kol
World's record combination.

Sir Ormsby Hengerveld Korndyke

162078. Owned by **John B. Irwin** and **E. C. Schroeder**

His full brother, Sir Hengerveld Korndyke Ormsby, now in use in our herd.

Wood Lake Herd

HERE IS THE COMBINATION ILLUSTRATED

FOR SALE

"SIR HENGERVELD KORNDYKE ORMSBY"

TWO - YEAR - OLD

Since we retain half interest in Sir Ormsby Banostine Champion, he will remain at our farms for one year. What would such a combination be worth in your herd?

About five times what we will ask you for him.

These full brothers are alike in Type, Style, Color and Finish.

JOHN B. IRWIN

Miss Korndyke Maid Ormsby 137794

7 day record: Butter, 30.86 lb.
Milk, 582.30 lbs.; fat, 4.237 per cent.
30 day record: Butter, 127.99 lbs.
Milk, 2,354.3 lbs.; fat, 4.349 per cent.

Minneapolis, Minn.

PEDIGREES

Why be without a tabulated pedigree of every animal in your herd, when we are compiling them at a very moderate price.

We have arranged for loose leaf covers and will pedigree your entire herd and furnish one of these beautiful leather covers FREE at a price that will surprise you. Write for the surprise. A postal will bring it.

BACKUS BROTHERS
Mexico New York

RUSTLE HERD

Consists of cows with A. R. O. records up to 27.70 lbs. butter, 102 lbs. milk in 1 day. Our herd sire is a son of the 31.65 lb. 4-year-old Johanna Korndyke. Fine bull calves for sale.

O. L. Prindle Westview, O.

Sire, Hengerveld Homestead De Kol, whose three nearest dams average 644 lbs. milk and 30.49 butter in 7 days. Dam of calf is a 25.41-lb. junior 3-year-old daughter of Dutchland Colantha Sir Inka, the first son of a 30-lb. cow to have five 30-lb. daughters and eight junior 2-year-old daughters with semi-official records above 630 lbs. butter at 8 years of age. Calf is a good individual, about three-fifths white. Price $400.

JAMES PHELAN Forestville, N. Y.

LOCUS STOCK FARM

Fellow Breeders, Take Notice—A rare opportunity to obtain a herd bull. Grandson of Hengerveld De Kol out of granddaughter of De Kol 2d's Butter Boy 3d with good A. R. O. backings. Eighteen months out. Well marked. Write for photo, pedigree, etc.

C. L. BANKS & SON

New Berlin New York

THE CHANCE OF A LIFETIME

The only herd in the country from which you can obtain daughters of Pontiac Korndyke and other world famous bulls.

150 Cows and Heifers in Herd

Here you can find all ages and prices. Must sell to make room for increase.

METTAWEE VALLEY FARM

Clarence E. Parker

Granville, N. Y.

GEM SORGHUM

The greatest feed on earth for horses or cows. Ten acres will keep 100 head all winter, says Henry N. Smith of Fashion Stud Farm. Grows like corn. Secure seed at once, $3 per bushel. Produces in any season (no crop failure). Send for circular.

WM. C. HENDRICKSON
Belle Mead, N. J.

BELLEHOLM FARM

offers a grandson of Lilith Altoana De Kol, 33.61 lbs. butter. Dam is from a granddaughter of King of the Pontiacs. Nice individual, light colored. Price $40.00.

HAROLD HUBBS, KIRKVILLE, N. Y.

Daisy Korndyke Beets, 14175, at 6 y. 3 m. 24 d.: Milk, 713.5 lbs.; fat, 24.95 lbs., equal to 31.20 lbs. butter. Thirty day record at 6 y. 3 m. 24 d.: Milk, 2910.9 lbs.; fat, 101.58 lbs., equal to 126.97 lbs. butter. Owner, M. & W. Schell, Woodstock, Ont.

Oakvale Inka Johanna, 18026, at 6 y. 9 m. 10 d.: Milk, 542.6 lbs.; fat, 24.09 lbs., equal to 30.11 lbs. butter. Owner, Dr. L. de L. Harwood, Vauderuil, Que.

Sara Jewel Hengerveld 2d, B., 16939, at 5 y. 9 m. 24 d.: Milk, 489.3 lbs.; fat, 24.09 lbs., equal to 30.11 lbs. butter. Thirty day record at 5 y. 9. m 24 d.: Milk, 1915.8 lbs.; fat, 95.13 lbs., equal to 118.91 lbs. butter. Owner W. W. Brown, Lyn, Ont.

Roxie Concordia, 11980, at 6 y. 7 m. 29 d.: Milk, 676.5 lbs.; fat, 24.0 lbs., equal to 30.02 lbs. butter. Owner Dr. L. de L. Harwood, Vaudreuil, Que.

Rhoda Bonerges 4th, 14227, at 6 y. 9 m. 4 d.: Milk, 700.4 lbs.; fat, 22.80 lbs., equal to 28.5 llbs. butter Owner, Donat Raymond, Montreal, Que.

Korndyke Queen De Kol 6th, 27465, a 6 y. 0 m. 17 d.: Milk, 595.6 lbs.; fat, 21.76 lbs., equal to 27.21 lbs. butter. Owner, Donat Raymond, Montrreal, Que.

Rosetta Boutsje, 10344, at 7 y. 7 m. 29 d.: Milk, 538.4 lbs.; fat, 21.36 lbs., equal to 26.71 lbs. butter. Owner, N. P. Sager, St. George, Ont.

Lucy May, 16644, at 7 y. 11 m. 29 d.: Milk, 641.4 lbs.; fat, 21.32 lbs., equal to 26.65 lbs. butter. Owner, Ashton Somers, Villa Nova, Ont.

Emery Dixie Queen, 13374, at 8 y. 5 m. 8 d.: Milk, 551.3 lbs.; fat, 21.03 lbs., equal to 26.29 lbs. butter. Fifteen day record at 8 y. 5 m. 8 d.: Milk, 1127-9 lbs.; fat, 44.56 lbs., equal to 55.70 lbs. butter. Owner, William Shrakey, Weston, Ont.

Laura Bell Posch, 16646, at 5 y. 1 m. 20 d.: Milk, 542.5 lbs.; fat, 20.46 lbs., equal to 25.58 lbs. butter. Owner, Ashton Somers, Villa Nova, Ont.

Francy Sylvia Ormsby, 11537, at 7 y. 0 m. 24 d.: Milk, 515.6 lbs.; fat, 20.31 lbs., equal to 25.39 lbs. butter. Owner, Dr. L. de.L. Harwood, Vaudreuil, Que.

Millie De Kol of Fairview, 18844, at 5 y. 0 m. 5 d.: Milk, 513.3 lbs.; fat, 20.24 lbs., equal to 25.31 lbs. butter. Owner, F. J. McCalpin, Ganonoque, Ont.

Mary Ann Netherland, 13268, at 6 y. 10 m. 27 d.: Milk, 683.2 lbs.; fat, 20.01 lbs., equal to 25.02 lbs. butter. Owner, G. A. Hogg, Thamesford, Ont.

Jessie De Kol Mercedes, 9603, at 7 y. 9 m. 10 d.: Milk, 574.9 lbs.; fat, 19.11 lbs., equal to 23.89 lbs. butter. Fourteen day record, at 7 y. 9m. 10 d.: Milk, 1119.0 lbs.; fat, 37.27 lbs., equal to 46.60 lbs. butter. Owner, A. C. Hardy, Brockville, Ont.

Daisy Lulu's Dandy, 10465, at 8 y. 1 m. 16 d.: Milk, 422.6 lbs.; fat, 18.94 lbs., equal to 23.69 lbs. butter. Owner, Lewis Kelly, Kelvin, Ont.

Ruth Tensen of Lynn River, 14695, at 5 y. 10 m. 7 d.: Milk, 468.5 lbs.: fat, 18.46 lbs., equal to 23.09 lbs. butter. Owner, R. W. B. Burnaby, Jefferson, Ont.

Bessie Bos De Kol, 11880, at 7 y. 0 m. 3 d.: Milk, 515.5 lbs.; fat, 18.43 lbs., equal to 23.04 lbs. butter. Fourteen day record at 7 y. 3 m. 3 d.: Milk, 1012.0 lbs.; fat, 35.46 lbs,. equal to 44.32 lbs. butter. Thirty-day record at 7 y. 0 m. 3 d.: milk, 2068.5 lbs.; fat, 74.87 lbs., equal to 93.60 lbs. butter. Owner, Director Experimental Farms, Ottawa, Ont.

Simcoe Mercedes Queen, 22663, at 5 y. 0 m. 21 d.: Milk, 472.9 lbs.; fat, 17.89 lbs., equal to 22.37 lbs. butter. Owner, R. W. E. Burnaby, Jefferson, Ont.

Isabella Ekster, 14182, at 6 y. 1 m. 6 d.: Milk, 455.8 lbs.; fat, 17.57 lbs., equal to 21.96 lbs. butter. Owner, M. & W. Schell, Woodstock, Ont.

Rose of Ridge Dale's Bessie, 12751, at 6 y. 5 m. 11 d.: Milk, 566.9 lbs.; fat, 17.43 lbs., equal to 21.80 lbs. butter. Owner, W. E. Watson, Pine Grove, Ont.

Rosey Darling De Kol, 15763, at 6 y. 0 m. 9 d.: Milk, 395.7 lbs.; fat, 17.06 lbs,. equal to 21.33 lbs. buter. Owner, F. J. McCalpin, Gananoque, Ont.

Maggie Everson, 15762, at 7 y. 0 m. 19 d.: Milk, 489.9 lbs.; fat, 16.93. lbs., equal to 21.17 lbs. butter. Owner, F. J. McCalpin, Gananoque, Ont.

Tidy Victoria Mercedes, 18550, at 5 y. 3 m. 8 d.: Milk, 442.4 lbs.; fat, 16.85 lbs., equal to 21.06 lbs. butter. Owner, R. W. E. Burnaby, Jefferson, Ont.

Oxford Daisy De Kol 3rd, 14897, at 6 y. 11 m. 28 d.: Milk, 579.4 lbs.; fat 16.84 lbs., equal to 21.06 lbs. butter. Owner, W. G. Baily, Paris, Ont.

Lady Woodway Clothilde De Kol 2d, 21540, at 5 y. 6 m. 8 d.: Milk, 440.4 lbs.; fat, 16.82 lbs., equal to 21.04 lbs. butter. Fourteen day record at 5 y. 6 m. 8 d.: Milk, 883.1 lbs.; fat, 32.02 lbs., equal to 40.04 lbs. butter. Owner, R. L. Hicks, Dalhousie, Junction N. B.

Aaggie Mercena Schuiling, 20015, at 5 y. 1 m. 3 d.: Milk, 466.2 lbs.; fat, 16.35 lbs., equal to 20.44 lbs. butter. Owner, George R. McCombs, Burgessville, Ont.

Cora Echo Korndyke, 24281, at 5 y. 0 m. 19 d.: Milk, 438.2 lbs.; fat, 16.25 lbs., equal to 20.32 lbs. butter. Owner, Edwin A. Lloyd, Stouffville, Ont.

Netherland Cornelia Posch, 7606, at 9 y. 10 m. 19 d.: Milk, 453.2 lbs.; fat, 16.09 lbs., equal to 20.12 lbs. butter. Owner, M. & W. Schell, Woodstock, Ont. (All Records with 20 lbs. of butter or over are given.)

SENIOR FOUR YEAR CLASS

Princess Stella Segis, 17539, at 4 y. 11 m. 8 d.: Milk, 508.2 lbs.; fat. 23.91 lbs., equal to 29.89 lbs. butter. Thirty day record at 4 y. 11 m. 8 d.: Milk, 2397.9 lbs.; fat, 96.13 lbs., equal to 120.17 lbs. butter. Owner, A. C. Hardy, Brockville, Ont.

Princess Segis Walker, 18093, at 4 y. 10 m. 10 d.: Milk, 702.6 lbs.; fat, 22.17 lbs., equal to 27.72 lbs. butter. Fourteen day record, at 4 y. 10 m. 10 d.: Milk, 1489.1 lbs.; fat, 43.67 lbs., equal to 54.60 lbs. butter. Thirty day record, at 4 y. 10 m. 10 d.: Milk, 3108.5 lbs.; fat, 88.62 lbs., equal to 110.78 lbs. butter. Owner, E. B. Purtelle, Bloomfield, Ont.

Black Plus Burkeyje, 17621, at 4 y. 8 m. 30 d.: Milk, 461.0 lbs.: fat, 21.33 lbs., equal to 26.67 lbs. butter. Owner, A. D. Foster, Bloomfield, Ont.

Keyes Segis Walker Pietertje, 18091, at 4 y. 11 m. 3 d.: Milk, 630.9 lbs.; fat, 18.98. lbs., exual to 23.72 lbs. butter. Thirty day record at y yr. 11 m. 3 d.; milk 2698.0 lbs.; fat 78.68 lbs., equal to 98.35 lbs. butter. Owner, E. B. Purtelle, Bloomfield, Ont.

Jesse Keyes Velstra, 17552, at 4 y. 11m. 25 d.: Milk, 514.5 lbs.; fat, 16.32 lbs., equal to 20.40 lbs. butter. Owner, E. Terrill, Wooler, Ont.

Netherland Crony Cornucopia, 20311, at 4 y. 9 m. 17 d.: Milk, 411.3 lbs.; fat, 15.23 lbs., equal to 19.04 lbs. butter. Owner, Walter S. Schell, Woodstock, Ont.

Segis Hengerveld Walker, 19851, at 4 y. 11 m. 25 d.: Milk, 478.4 lbs.; fat, 15.03 lbs., equal to 18.79 lbs. butter. Owner, Benjamin R. Leavens, Bloomfield, Ont.

Bessie Mercena Posch, 19471, at 4 y. 10 m. 23 d.: Milk, 427.7 lbs.; fat, 14.82 lbs., equal to 18.53 lbs. butter. Owner, McGhee Bros., Beachville, Ont.

Jessie Teake De Kol, 17384, at 4 y. 11 m. 2 d.: Milk, 420.5 lbs.; fat, 14.53 lbs., equal to 18.17 lbs. butter. Owner A. C. Hardy, Brockville, Ont.

JUNIOR FOUR YEAR CLASS

Lady Waldorf Pietje, 22378, at 4 y. 1 m. 28 d.: Milk, 736.7 lbs.; fat, 29.04 lbs., equal to 36.30 lbs. butter. Thirty day record, at 4 y. 1 m. 28 d.: Milk, 3035.3 lbs.; fat, 120.76. lbs., equal to 150.95 lbs. butter, Sixty day record, at 4 y. 1 m. 28 d.: Milk, 5648.2 lbs.; fat, 238.29 lbs., equal to 297.86 lbs. butter. Owner. A. C. Hardy, Brockville, Ont.

SENIOR THREE YEAR CLASS

Natoye Maida Pontiac, 28972, at 3 y. 10 m. 16 d.: Milk, 626.5 lbs.; fat, 21.96 lbs., equal to 27.45 lbs. butter. Thirty day record, at 3 y. 10 m. 16 d.: Milk, 2612.9 lbs.; fat 88.20 lbs., equal to 110.25 lbs. butter. Owner, J. W. Stewart, Lyn, Ont.

Nicolo Pontiac Pauline, 21925, at 3 y. 8 m. 5 d.: Milk, 480.5 lbs.; fat, 20.57 lbs., equal to 25.72 lbs. butter. Owner, Gordon S. Gooderham, Clarkson, Ont.

Jessie Colantha Posch, 22696, at 3 y. 10 m. 16 d.; Milk, 559.2 lbs.; fat, 20.04 lbs., equal to 25.06 lbs. butter. Fourteen day record at 3 y. 10 m. 16 d.: Milk, 1110.2 lbs.; fat, 39.05 lbs., equal to 48.82 lbs. butter. Owner, McGhee Bros., Beachville, Ont.

Pontiac Lilliepearl, 25620, at 3 y. 7 m. 25d.: Milk, 466.9 lbs.; fat, 17.17 lbs., equal to 21.47 lbs. butter. Owner, A. C. Hardy, Brockville, Ont.

Queen Ettie, 23399, at 3 y. 6 m. 27 d.: Milk, 406.8 lbs.; fat, 14.53 lbs., equal to 18.17 lbs. butter. Owner, Frank Boyle, Hagerman's, Ont.

Francy Korndyke Ormsby, 20599, at 3 y. 10 m. 3 d.: Milk, 393. 7 lbs.; fat, 13.93 lbs., equal to 17.41 lbs. butter. Owner, Griesbach Bros., Collingwood, Ont.

Iva Grace Fayne, 23568, at 3 y. 11 m. 4 d.: Milk, 459.9 lbs.; fat, 13.55 lbs., equal to 16.94 lbs. butter. Owner, W. B. Poole, Ingersoll, Ont.

Mutual Belle Aaggie, 23182, at 3 y. 6 m. 22 d.: Milk, 366.0 lbs.; fat, 12.82 lbs., equal to 16.03 lbs. butter. Owner, W. A. Anderson, Peterboro, Ont.

Josephine Paul Colantha, 26239, at 3 y. 6 m. 5 d.: Milk, 369.9 lbs.; fat, 12.48 lbs., equal to 15.60 lbs. butter. Owner, Cecil W. Hagar, Port Robinson, Ont.

Raw Rock Cheapest

Raw rock phosphate is by far the cheapest source of phosphorus to apply to soils. It consists chiefly of tricalcium phosphate, $Ca_3(PO_4)_2$, which is the most common form of phosphorus in the great natural deposits. This phosphorus compound is relatively insoluble in water, and, for this reason, it has been argued by some that it does not become available to plants; but long-continued field experiments, pot-culture experiments, and farm practice have fully demonstrated that this kind of phosphate does become available for plant growth. (See Circulars 181 and 186.)

With the results obtained in practice confirming on a large scale the experimental results, it became a laboratory problem to determine how this insoluble phosphate is made soluble by changes occurring in soils. The increased beneficial results obtained by following the practice commonly recommended of intimately mixing decaying organic matter with the phosphate lead to the suggestion that the action of the soil bacteria that decompose organic matter might be an important factor in the solution of the phosphate. The investigation reported in this bulletin has proved that this hypothesis was correct, for these bacteria have been found capable of making the phosphate soluble. The data recorded show that the action is even more direct than we had reason to believe. It has been the common teaching that nitrifying bacteria require the presence of a free base, such as lime or an alkaline carbonate, but we have found that the bacterial action produces acid phosphate and proceeds in the presence of this acid salt.—From Bulletin by Illinois State Experiment Station.

Blood Will Tell

At the recent meeting of the Oregon Holstein Breeders' Association one of its members, D. T. Werschkul, gave an example of the value of a good purebred sire at the head of a dairy herd that should strike home to every man who is trying to make a living out of cows. Mr. Werschkul has for many years sold milk to a milk condensing factory. At first he paid little attention to breeding. During the year 1910 he delivered 132,162 pounds of milk to the condensary from 33 cows. In the following year some heifers began to come into milk that were sired by a registered Holstein bull with the result that, after culling out a number of the former lot, the herd of 23 made it possible for him to deliver 157,054 pounds in 1911. In 1912 the herd had increased to 30 cows, which produced 193,054 pounds; in 1913 he had 34 cows producing 234,981 pounds; in 1914, 37 cows produced 256,-664 pounds; in 1915, 38 cows produced 272,146 pounds.

In other words, Mr. Werschkul during five years increased the number of cows in the herd approximately 25 per cent., while the production of milk by his herd doubled as the direct result of a purebred sire. Figured down more closely this sire has an annual earning capacity through his daughters of about $1,500 a year.—Pacific Dairy Review.

Grand Champion

Grand Champion at the head of your herd means a high standard of individuality in his progeny. The bull I have to offer at only nine months old was awarded the prize of Grand Champion Holstein Bull at Nebraska State Fair 1916.

His sire, Rag Apple Korndyke Boon, No. 123847.

His dam, Fairview Aaggie Wayne Korndyke, a 75 per cent daughter of Pontiac Korndyke.

The average week's production of his dam, his sire's dam and forty near relatives is 31.86 pounds of butter. He is now 14 months old and ready for heavy service.

For photograph, pedigree and price, write

B. B. Davis, Omaha, Neb.

200 Bee Building

COLIC CAN BE PREVENTED

And it is being every summer by feeders who include in the regular ration Xtra-Vim Molasses Feed.

Overfeeding, colic, dangerous gases, indigestion and "out of condition" stock cost the farmer, dairyman and breeder of high-grade stock, tens of thousands of dollars annually. Much of this could be saved if the ordinary ration included Xtra-Vim Feed, because Xtra-Vim keeps a cow in a healthy condition right through hot weather.

THE COLIC SEASON

Is here and it will save you dollars, as well as cows, to look into the value of Xtra-Vim.

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We have a Feed Book that gives you much valuable information. A postal card from you brings it by return mail.

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Send Your Catalogue and Pedigree Work to the Centrally Located Office

Accurate work, prompt service, and "That Breeder's Touch." Prices and samples on application. Certificate Evvelopes $1.00 per hundred. Pocket Herd Registers.

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KING SEGIS PONTIAC ALCARTRA LAD, No. 166569—The bull whose breeding and individuality is "A Little Bit Better Than Really Seems Necessary." Sire, King Segis Pontiac Alcartra, the noted $50,000 bull. Dam, Meta Hengerveld, 30.15 lbs., one of the nine 30-lb. daughters of Hengerveld De Kol. For pedigree and picture write

ROBT. F. MEAD **West Rutland, Vt.**

FOR SALE CHEAP

We have a few sons of Korndyke Pontiac Pet, No. 55995, 37-lb. sire, from good A. R. O. dams. Prices reasonable.
If interested write for particulars to

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OTSELIC, N. Y.

Water in the Stable a Necessity

THE BUCKLEY DEVICE

for watering stock is the leader. Why not use the best? Write to the manufacturers for a descriptive circular.

Poughkeepsie Foundry & Machine Co.
POUGHKEEPSIE, N. Y.

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Bull calves out of half sisters to **"Finderne Pride Johanna Rue"** and sired by a bul whose dam has 75 per cent same blood as the sire of "Duchess Skylark Ormsby." Here is a chance for world's record blood at bargain prices.
SHOSHONE STOCK FARM, Cody, Wyo.

SPRINGVALE STOCK FARM
Home of the Johannas

We have some very choice bull calves for sale sired by Sir Pietertje Ormsby Mercedes 38th, who is out of a 34.59 lb. three year old and these calves are out of daughters of Colantha Johanna Champion

W. J. Gillett & Son Rosendale, Wis.

SIR WALTER RALEIGH

SEED POTATOES

have averaged over 200 bushels per acre for the past 12 years. $1.50 per bushel F. O. B.

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King Segis Pontiac Grover 3d, 2 years old.
Nahum Cornucopia 3d, 2 years old.
Judge Hengerveld, 2 years old.
King Pontiac Pietertje 4th, 3 years old.
Prince Dinkje Daisy Cornucopia, 5 years old.
Five bull calves not registered.
One four weeks old calf from our King Segis bull and one of E. C. Schroeder's A. R. O. cows.

The Grosvenor Farms, Casselton, N. D.

SIX YEARLING GRAND-DAUGHTERS OF KING OF THE PONTIACS FOR SALE

One from a 15.3 lb. 3 year old.
One from a 17.145 lb 3 year old.
One from a 16.577 lb. 3 year old.
One from a 15.90 pound cow.

The other two dams haven't been tested.

WALTER M. BUCK, WARSAW, N. Y.

JUNIOR THREE YEAR CLASS

Belle De Kol Pietje, 25363, at 3 y. 0 m. 11 d.: Milk, 480.2 lbs.; fat, 23.99 lbs., equal to 29.99 lbs. butter. Thirty day record, at 3 y. 0 m. 11 d.: Milk 21.442 lbs.; fat, 98.04 lbs., equal to 122.56 lbs. butter. Owner, A. C. Hardy, Brockville, Ont.

Abbekerk Queen Countess, 28240, at 3 y. 3 m. 11 d.: Milk, 496.7 lbs.; fat, 21.23 lbs., equal to 26.54 lbs. butter. Fourteen day record, at 3 y. 3 m. 11 d.: Milk 976.5 lbs.; fat, 41.54 lbs., equal to 51.93 lbs. butter. Owner, R. L. Hicks, Dalhousie Junction, N. B.

Pontiac Allie, 25365, at 3 y. 1 m. 17 d.; Milk, 495. 9 lbs.; fat, 21.09 lbs., equal to 26.37 lbs. butter. Fourteen day record, at 3 y. 1 m. 17 d.: Milk, 977.7 lbs.; fat, 41.38 lbs., equal to 51.73 lbs. butter. Owner, A. C. Hardy, Brockville, Ont.

May Echo Posch, 36074, at 3 y. 0 m. 29 d.: Milk 671.5 lbs.; fat, 20.34 lbs., equal to 25.43 lbs. butter. Thirty day record, at 3 y. 0 m. 29 d.: Milk,, 2585.2 lbs.; fat, 83.45 lbs., equal to 104.32 lbs. butter. Sixty day record, at 3 y. 0 m. 29 d.: Milk, 4908.7 lbs.; fat 158.04 lbs., equal to 197.56 lbs. butter. Ninety day record, at 3 y. 0 m. 29 d.: Milk, 7087.7 lbs.; fat, 227.05 lbs., equal to 283.82 lbs. butter. Owner, Director Experimental Farms, Ottawa, Ont.

Lady Pietje Artis, 25364, at 3 y. 2m. 15 d.: Milk, 456.4 lbs.; fat, 18.93 lbs., equal to 23.67 lbs. butter. Owner, A. C. HardyBrockville, Ont.

Melrose De Kol Colantha, 22236, at 3 y. 4 m. 22 d.: Milk, 534.1 lbs.; fat, 18.90 lbs., equal to 23.63 lbs. butter. Owner, W. E. Watson, Pine Grove, Ont.

May Pontiac Princess, 25555, at 3 y. 2 m. 17 d.: Milk, 400.0 lbs.; fat, 18.32 lbs., equal to 22.91 lbs. butter. Owner, A. C. Hardy, Brockville, Ont.

Lady Korndyke Rag Apple, 25951, at 3 y. 1 m. 4 d.: Milk, 510.8 lbs.; fat, 17.76 lbs, equal to 22.20 lbs. butter. Thirty day record, at 3 y. 1 m. 4 d.: Milk, 2168.6 lbs.; fat, 68.94 lbs., equal to 86.19 lbs. butter. Owner, J. W. Stewart, Lyn, Ont.

Pontiac Maida, 25618, at 3 y. 4 m. 22 d.: Milk, 378.5 lbs.; fat, 16.61 lbs., equal to 20.77 lbs. butter. Owner, A. C. Hardy, Brockville, Ont.

Bella Posch Diotime, 37774, at 3 y. 3 m. 22 d.: Milk, 457.7 lbs.; fat, 15.34 lbs., equal to 19.19 lbs. butter. Owner, Ashton Somers, Villa Nova, Ont.

Lottie Calamity Posch, 28188, at 3 y. 1 m. 5 d.: Milk, 405.0 lbs.; fat, 15.08 lbs., equal to 18.85 lbs. butter. Owner, McGhee Bros., Beachville, Ont.

Hillview Verbelle Segis, 27187, at 3 y. 3 m. 7 d.: Milk, 385.9 lbs.; fat, 14.84 lbs., equal to 18.55 lbs. butter. Owner, M. & W. Schell, Woodstock, Ont.

Verbelle Topsy Cornucopia 2d, 26653, at 3 y 3 m. 2 d.: Milk, 410.3 lbs.; fat, 14.77 lbs. equal to 18.47 lbs. butter. Owner, M. & W. Schell, Woodstcok, Ont.

Spotty Silva Echo, 23533, at 3 y. 1 m. 4 d.: Milk, 386.6 lbs.; fat, 14.41 lbs., equal to 18.02 lbs. butter. Owner, Frank Boyle, Hagerman's Corners, Ont.

Greenwood Princess, 23797, at 3 y. 5 m. 14 d.: Milk, 406.8 lbs.; fat, 13.94 lbs., equal to 17.43l bs. butter. Owner, Frank Boyle, Hagerman's Corners, Ont.

Teake De Kol Bessie, 27125, at 3 y. 0 m. 3 d.: Milk, 429.6 lbs.; fat, 13.61 lb., equal to 17.02 lbs. butter. Owner, A. C. Hardy, Brockville, Ont.

Conseula Pauline Cornucopia, 27009, at 3 y. 2 m 22 d.: Milk, 365.1 lbs.; fat, 13.04 lbs., equal to 16.30 lbs. butter. Owner, M. & W. Schell, Woodstock, Ont.

Grace Faforit Mercena, 24488, at 3 y. 1 m. 23 d.: Milk, 302.6 lbs.; fat, 10.03 lbs., equal to 12.55 lbs. butter. Owner, Griesbach Bros., Collingwood, Ont.

SENIOR TWO YEAR CLASS

Natoye Maida Segis, 25950, at 2 y. 10 m. 24 d.: Milk, 456.6 lbs.; fat, 16.54 lbs., equal to 20.68 lbs. butter. Thirty day record, at 2 y. 10 m. 24 d.: Milk 1901.3 lbs.; fat, 64.81 lbs., equal to 81.01 lbs. butter. Owner, J. W. Stewart, Lyn, Ont.

Pontiac Inka Pietertje, 27003, at 2 y. 11 m. 18 d.: Milk, 396.0 lbs.; fat, 15.13 lbs., equal to 18.92 lbs.butter. Owner, W. W. Brown, Lyn, Ont.

Lady Lyons Faforit, 29570, at 2 y. 9 m. 24 d.: Milk, 396.4 lbs.; fat, 14.77 lbs., equal to 18.47 lbs. butter, Thirty day record, at 2 y. 9 m. 24 d.: Milk, 1666.0 lbs.; fat, 60.15 lbs., equal to 75.19 lbs. butter. Owner Director Experimental Farms, Agassiz, B. C.

Mutual Lady, 28884, at 2 y. 11 m. 27 d.: Milk, 403.5 lbs.; fat, 14.48 lbs., equal to 18.10 lbs. butter. Owner Lewis Kelley, Kelvin, Ont.

Oceola Shadeland Segis, 41692, at 2 y. 9 m. 26 d.: Milk, 406.6 lbs.; fat, 13.71 lbs., equal to 17.14 lbs. butter. Owner, M & W. Schell, Woodstock, Ont.

Monklind Dione, 27692, at 2 y. 11 m. 28 d . Milk, 509.4 lbs.; fat, 13.59 lbs., equal to 16.99 lbs. butter. Owner, G. A. Gilroy, Glen Buell, Ont.

Wedo Queen Frances, 30500, at 2 y. 8 m. 21d.: Milk, 358.9 lbs.; fat, 11.00 lbs., equal to 13.76 lbs. butter. Thirty day record, at 2 y 8 m. 21 d.: Milk, 1505.0 lbs.; fat, 45.67 lbs., equal to 57.10 lbs. butter. Owner Brown Bros., Lyn, Ont.

Evergreen Boutsje, 27280, at 2 y. 10 m. 5 d.: Milk, 274.4 lbs.; fat, 9.04 lbs., equal to 11.30 lbs. butter. Owner, N. P. Sager, St. George, Ont.

Colony De Kol Queenie Rag, 26320, Twenty-four day record, at 2 y. 11 m. 1 d.: Milk, 1387.5 lbs.; fat, 43.56 lbs., equal to 54.45 lbs. butter. Owner, Colony Farm, Essondale, B. C.

JUNIOR TWO YEAR CLASS

Belle De Kol Pontiac, 30680, at 2 y. 0 m. 16 d.: Milk, 397.1 lbs.; fat, 18.62 lbs., equal to 23.28 lbs. butter. Fourteen day record, at 2 y. 0 m. 16 d.: Milk, 774.9 lbs.; fat, 35.77 lbs., equal to 44.72 lbs. butter. Owner, A. C. Hardy, Brockville, Ont.

Pietje Korndyke Queen 2d, 30674, at 2 y. 2 m. 20 d.: Milk, 380.5 lbs.; fat, 18.50 lbs., equal to 23.13 lbs. butter. Owner, A. C. Hardy, Brockville, Ont.

Pietje Beets De Kol, 34528, at 2 y. 1 m. 4 d.: Milk, 416.1 lbs.; fat, 17.44 lbs., equal to 21.81 lbs. butter. Owner A. C. Hardy, Brockville, Ont.

Korndyke Segis Sylvia, 29626, at 2 y. 0 m. 21 d.: Milk, 442.2 lbs.; fat, 1711 lbs., equal to 21.40 lbs. butter. Owner, Benj. R. Leavens, Bloomfield Ont.

Avondale Pontiac Pauline, 27272, at 2 y. 3 m. 17 d.: Milk, 357.5 lbs.; fat, 17.11 lbs., equal to 21.40 lbs. butter. Fourteen day record, at 2 y. 3 m. 17 d.: Milk, 695.7 lbs.; fat, 32.51 lbs., equal to 40.64 lbs. butter. Owner, A. C. Hardy, Brockville, Ont.

Echo Pontiac Prescott, 34321, at 2 y. 1 m. 15 d.: Milk, 371.5 lbs.; fat, 16.43 lbs., equal to 20.54 lbs. butter. Fifteen day record, at 2 y. 1 m. 15 d.: Milk, 785.3 lbs., fat 34.25 lbs. equal to 42.82 lbs. butter. Owner, Benjamin R. Leavens, Bloomfield, Ont.

Queen Pontiac Griselda, 30673, at 2 y. 1 m. 10 d.: Milk, 354.6 lbs.; fat, 16.16 lbs., equal to 20.20 lbs. butter. Owner, A. C. Hardy, Brockville, Ont.

Lockhart Ormsby Pontiac, 30678, at 2 y. 1 m. 3 d.: Milk, 389.3 lbs.; fat, 15.48 lbs., equal to 19.36 lbs. butter. Fourteen day fecord, at 2 y. 1 m. 3 d.: Milk, 755.3 lbs.; fat, 29.73 lbs., equal to 37.17lbs. butter. Owner, A. C. Hardy, Brockville, Ont.

Korndyke Gladi Doar, 32304, at 2 y. 4 m. 18 d.: Milk, 347.3 lbs.; fat, 14.94 lbs., rqual to 18.68 lbs. butter. Owner A. C. Hardy, Brockville, Ont.

Korndyke Paula, 32303, at 2 y. 0 m. 9 d.: Milk, 442.1 lbs.; fat 14.62 lbs., equal to 18.28 lbs. butter. Owner, A. C. Hardy, Brockville, Ont.

Daisy Woodlawn Dewdrop, 31619, at 2 y. 3 m. 5 d.: Milk, 447.21 lbs.; fat, 14.07 lbs., equal to 17.59 lbs. butter. Fourteen day record, at 2 y. 3 m. 5 d.: Milk, 870.8 lbs.; fat ,26.60 lbs., equal to 33.25 lbs. butte. Twenty-four day record at 2 y. 3 m. 5 d.: Milk, 1546.5 lbs.; fat, 43.11 lbs., equal to 53.90 lbs. butterr Owner, J. G. Von Herberg, Seattle, Wash.

Colony Sadie Canary, 30137, at 1 y. 11 m. 16 d.: Milk, 390.8 lbs.; fat, 13.49 lbs., equal to 16.87 lbs. butter. Twenty-one day record, at 1 y. 11 m. 16 d.: Milk, 1132.9 lbs.; fat, 3804 lbs., equal to 47.56 lbs. butter. Owner, Coony Farm, Essendale, B. C.

Shadeland Grace Segis, 32631, at 2 y. 2 m. 28 d.: Milk, 381.5 lbs.; fat, 13.47 lbs., equal to 16.84 lbs. butter. Owner, Walter S. Schell, Woodstcok, Ont.

Georgina Grange, 30326, at 2 y. 3m. 13 d.: Milk, 317.8 lbs.; fat, 13.47 lbs., equal to 16.84 lbs. butter. Owner, William S. Shearer, Listowel, Ont.

Villa View Aaggie De Kol, 33876, at 2 y. 10 m. 4 d.: Milk, 296.6 lbs.; fat, 13.45 lbs., equal to 16.82 lbs. butter Owner, Arbogast Bros., Sebringville, Ont.

Lyndia Pontiac, 30671, at 2 y. 1 m. 3 d.: Milk, 317.3 lbs.; fat, 13.38 lbs., equal to 16.73 lbs. butter. Owner, A. C. Hardy, Brockville, Ont.

De Vries Sylvia 2d, 32782, at 2 y. 1 m. 23 d.: Milk, 298.1 lbs.; fat, 13.18 lbs., equal to 16.47 lbs. butter. Owner, G. .A Gilroy, Glen Buell, Ont.

Mercena Chase, 33377, at 1 y. 10 m. 30 d.; Milk, 410.6 lbs.; fat, 13.00 lbs., equal to 16.26 lbs. butter. Owner, George R. McCombs, Burgessville, Ont.

Villa View Ella Abbekerk, 33877, at 1 y. 11 m. 22 d.: Milk, 323.7 lbs.; fat, 12.50 lbs., equal to 15.63 lbs butter. Owner Arbogast Bros., Sebringville, Ont.

(All records with 15 pounds butter or over are given.)

Another World's Record

It has recently been reported among Holstein Breeders that the Auctioneer's Long Distance Record is in danger of being set at a new mark. Freshening for his twentieth year of active service in Holstein Sales, the record is now being challenged by

B. V. Kelley, Syracuse, N. Y.

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Satisfied customers my best advertising
Please write for dates
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I offer a choicely bred bull about nine months old, Johanna King Segis breeding. Herd tuberculin tested. Price reasonable.
JULIUS LINDSTEDT, Manitowoc, Wis.
Office Opposite Court House

Opens Springfield Office

The National Dairy Show Association has opened an office in Springfield, Mass., adjoining the offices of the Eastern States Exposition in the Board of Trade, which will be maintained permanently until after the show, October 12 to 21, inclusive. The Exposition is now putting its capital of $750,000 into a permanent plant consisting of a park of 170 acres and a group of exposition buildings to house the "National" this year and establish a headquarters for its movement for the betterment of the agriculture of New England and the Eastern states.

The Need of Lime

Investigations carried on by the Ontario Agricultural College last year showed that there are many districts where the soil is badly in need of lime. Thousands of tests were made, the results of which showed that the surface of the soil was sufficiently acid to react on litmus paper, and in many cases it was necessary to go down several feet in order to secure soil sufficiently rich in lime to cause an effervescence when treated with an acid.

Building His Herd

G. H. Truckell of Elgin, Ill., sends us the following clipping from the Elgin Dairy Courier:

Through recent acquisitions of pedigreed stock, Frank B. Pratt of Wayne, known to his friends as "Farmer" Pratt, expects to build up one of the finest herds of Holstein cattle in the country.

Mr. Pratt has just purchased a noted sire, King Segis Golden Butterboy, whose sire, Johanna McKinley Segis, was sold for $25,000. The dam of the latter animal has a record of more than 40 pounds of butter in 7 days, and held the world's butter production for periods of 7, 30 and 120 days.

The dam of King Segis Golden Butter Boy is Belle Segis, who is the best daughter of King Segis, conceded to be the best sire of the breed.

Mr. Pratt attended the recent Haeger sale and bought two daughters of King Segis Pontiac, the animal which has bred more high priced sires than any other, living or dead. They have brought figures of $50,000, $20,000, $10,000 and $5,000 and a number have been sold for $1,00 each.

Mr. Pratt has 40 head of purebred cows. Twenty-one granddaughters of King Segis De Kol Korndyke, the sire of the world's record 40-pound four-year-old.

Better Cultivation Needed

In Ontario farms will respond to more cultivation. The great need, however, is better cultivation, and this can only be done through horse machinery. Large machinery is not adaptable to small tracts of land. We can only keep one team of horses on a 50-acre farm, while three horses, with much heavier machinery, will cultivate 100 acres more profitably. On the small farm, too, there is too great a proportion of the capital locked up in buildings. Larger farms are generally more profitable farms. —E. S. Leitch, O. A. C., Guelph.

The Pontiac Herd
"WHERE THE CHAMPIONS COME FROM"
Offer Bull Calves sized by sons of Pontiac Korndyke, Hengerveld De Kol, Pontiac Dutchland, or Admiral Walker Pietertje.
Do you want a Pontiac in your herd?
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FOR A. R. O. TESTS
PIONEER FARMS
E. K. Munro Camillus, N. Y.

For More Milk and Butter use
"Schumacher Feed"
THE QUAKER OATS CO.
Chicago, Ill.

ELMWOOD OFFERS
12 heifer calves, age from 2 weeks to 6 months. 12 yearling heifers, age from 10 to 15 months, not bred. 17 are sired by Elmwood Betts Korndyke, a 25-lb. bull, who has 8 A. R. O. daughters. All or any part of them at a low price.
GEO. T. McNEIL THERESA, N. Y.

First Junior 3-year Old—25.42 lbs.
This is the record made by Segis Lyons No. 84592, first daughter, at 3 years 2 months. He has more coming, and we have a few young bulls sired by him out of 25-pound cows and up at $150 delivered. Will be pleased to know your wants.
John J. Walrath, East Springfield, N. Y.

RIVER VALLEY STOCK FARM
Grandsons and granddaughters of King of the Pontiacs by herd bull, Sir Genie Pontiac, from A. R. O. dams.
These calves are beauties and priced right.
John Dehmlow, Algonquin, Ill.

$100 BUYS THIS BULL
Born November 15, 1915.
Sire is a son of Flossie Spofford Hengerveld, 29.59 in 7 days, 964 lbs. of butter from 23,110 lbs. of milk in 365 days.
Dam is a 13.03-lb. 2-year-old daughter of Sir Korndyke Queen (31 A. R. O. daughters), a 31-lb. son of Pontiac Korndyke. Write to-day.
Burr Bros. Wauseon, O.

225 Head HOLSTEINS 225 Head

Raised in open sheds insures health, vitality and constitution. We are breeders. All animals sound in health, and so guaranteed.

FOUNDATION HERD

Pontiacs, Ormsbys, Pietertjes, Hengervelds, De Kols and Johannas. Every female of milking age has an A. R. O. record; 90% above 20 lbs. up to 33.8 lbs.

Fifty-one cows (35 heifers under 5 years, 19 of them 2-year-olds) average 15,837.9 lbs. of milk and 674.8 lbs. of butter, semi-official test.

KORNDYKE SEGIS JOHANNA

Sire: Johanna McKinley Segis 40 lb., son of King Segis.
Dam: Pontiac Lady Korndyke 38.03; highest record daughter of Pontiac Korndyke.
Average 39 lbs.

KING PONTIAC CHAMPION

Sire of 37 A. R. O. daughters.
Sired by King of the Pontiacs.
Dam: Maid Mutual De Kol 31.3 lb., daughter of De Kol 2d Mutual Paul.

17 of his daughters with first calf (at an average age of 2 years 5 months 26 days) average 19.01 lbs. of butter.

Sire of Pabst Lulu Lady, 2 years 2 months 849 lbs. butter, 20,002.9 lbs. of milk; 8 others 2-year-olds from 555 to 675 lbs. butter.

MAPLECREST KING DE KOL

Sire: Friend Hengerveld De Kol Butter Boy, sire of Banostine Belle De Kol 1,322.92 lbs. butter in year; has three daughters above 1,200 and four above 1,000 lbs.

Dam: Maplecrest Pontiac Hartog, 20-lb. junior two-year-old. Full sister to Maplecrest Pontiac Flora Hartog 30 lbs. in seven days, 1,232.63 in one year. Daughter of Pontiac Aaggie Korndyke, twelve 30-lb. daughters. Dam's dam Highlawn Hartog De Kol 30 lbs., 1,247.92 lbs. in one year.

Bull Calves, all from high seven-day and yearly record cows, for sale.

PABST STOCK FARM

Oconomowoc Waukesha County Wisconsin

Dept. W.

Moyerdale Herd Sire KING LYONS No. 71155

The first sire of the breed that has six 20-lb. 2-year-old daughters with first calf, at 4 years of age.
His sire is a son of Colantha Fourth Johanna 35.22 lb.
His grandsire is an own brother to Grace Fayne 2d Homestead 35.55 lbs.
The two first 35-lb. cows of the breed.
His dam is a 29-lb. daughter of King Segis.
His second and third dams are each 34-lb. cows.

KING JOH No. 143460, Junior Herd Sire

Sir King Segis Pontiac Alcartra, 76602, the $50,000 bull, a grandson of King Segis. Dam, a 33-lb. daughter of Johanna McKinley Segis, the $25,000 son of King Segis, and Johanna De Kol VanBeers, the 40-lb. $7,000 cow with butter records as follows:

Butter 7 days	40.07 lb.	Butter 30 days	151.39 lb.
Butter 60 days	288.45 lb.	Butter 90 days	416.74 lb.

King Joh retains the King Segis quality. He is a beautiful individual with all of the dairy qualities we like. He weighed 1200 lbs. at 12 months old.

His sire has five 20-lb. 2-year-old daughters at 4 years of age.

KING SEGIS No. 36168, Born 1903, Died in 1910

He has 86 officially tested daughters, 9 of this number with records over 30 to 35 lb. each.

Over 900 officially tested granddaughters, 17 of this number with records from 30 to 40 lb. each, or practically 1000 daughters and granddaughters and 26 of these daughters and granddaughters with records from 30 to 40 lb. each, including the world record 40-lb. 4-year-old and the first 30-lb. 2-yr.-old of the breed, a showing that is barely equalled by some of the older, great sires of the breed that have had 12 years of service to their credit. What would King Segis have had if he had 12 years of service to his credit?

King Segis was the first bull of the breed to have four 20-lb. 2-yr.-old daughters as a 4-year-old sire.

King Lyons is the first bull of the breed to have six 20-lb. 2-year-old daughters as a 4-year-old sire; he is a grandson of King Segis.

King Korndyke Sadie Vale is the second bull of the breed to have six 20-lb. 2-year-old daughters as a four-year-old sire. He is a grandson of King Segis.

King Segis Pontiac Alcartra is the third bull of the breed to have five 20-lb. 2-year-old daughters as a four-year-old sire. He is a grandson of King Segis.

A few choice bred bull calves with great individuality, beautifully marked, that have from 7 to 12 dams in their pedigree that average over 30 lb. each.

Prices and description mailed on application.

Remember that Moyerdale is the home of King Segis, the greatest sire of his generation by far of the black and white breed.

H. A. MOYER, Syracuse, N. Y. **JAMES GILLETT, Sup't.**

JUDGED BY ALL STANDARDS

The Bulls heading the Beaver Dam Stock Farm Herd "are there".
They have the backing of long lines of high quality production.
They show already their ability to transmit wonderful producing qualities to their offspring.

OUR HERD BULLS ARE:

SIR PRILLY SEGIS is the senior sire at the farm—a likely son of King Segis out of Prilly Princess Julia De Kol. Of his sire we need say nothing, as King Segis, as we all know, is **one of the five only sires having nine 30-lb.** daughters, and seventeen 30-lb. granddaughters, including the present world's champion, Mabel Segis Korndyke 40.3 lbs.

This bull's dam, Prilly Princess Julia De Kol, 30.44 lbs. butter in seven days at 4½ years of age, has made splendid records at 4½ yrs. and 28 months. Her sire is the bull that produced a 32-lb. daughter and she it out of Prilly Princess, who has two 30-lb. daughters and one 29 and one 24-lb. daughter. Prilly Princess is one of the good daughters of the famous foundation cow Prilly. **The whole line on both of the dam and sire's side speaks high quality production.**

ORMSBY KORNDYKE LAD is Junior Herd Sire. His offspring show that they inherit the power to produce, and his daughters are starting off well in A. R. O. work. His two nearest dams average over 35 lbs. The sire is King Korndyke Hengerveld Ormsby, **whose sire unites the blood of Hengerveld De Kol and Pontiac Korndyke and whose dam is Pietertje Maid Ormsby,** a 35-lb. three-fourths sister to the sire of the new world's champion, **Duchess Skylark Ormsby.**

This bull's dam is Polly Posch, 34.61 lbs. at six years. **On two successive years she gave over 700 lbs. of milk and over 2876 lbs. in a month.** She is by one of the best sons of Alta Posch's Son, a noted transmitting sire.

KING OF THE ALCARTRAS, This young fellow is the $6,000 calf I bought of Mr. Arfmann of Fairmont Farms.

Beaver Dam Stock Farm offers for sale bull calves sired by Sir Prilly Segis and out of record dams at reasonable prices.

BEAVER DAM STOCK FARM

JULIUS SCHMID, Proprietor **MONTGOMERY, N. Y.**

Finderne Pride Johanna Korndyke

A SON OF A CHAMPION

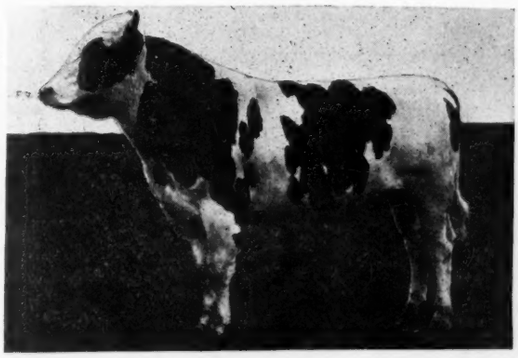
owned jointly by

C. L. AMOS and MELVIN & GODFREY, Inc.
Syracuse, N. Y. **Baldwinsville, N. Y.**

YOU can readily appreciate his merit as a sire, he is a son of a champion and a most worthy son. . . . . .

HIS SIRE

King Pontiac Segis Korndyke is a son of Beauty Rauwerd De Kol, a 30-lb. daughter of Pietertje Hengerveld's Count De Kol, whose daughters are famous as large milk producers. The sire's sire is King Segis De Kol Korndyke, sire of the present world's champion, 7 and 30 day four-year-old butter producer and a son of King Segis and Pontiac Clothilde De Kol 2d (37.21). His long list of fine producing daughters include a 26-lb. two-year-old.



HIS DAM

Finderne Pride Johanna Rue is one of the greatest producers that ever lived. She has twice produced over 31 lbs. butter in 7 days; the first time as a three-year-old. The last time she was officially tested she produced 36.87 lbs. butter in 7 days, and eleven months after calving also produced over 36 lbs. in 7 days, a showing that has never been equalled. Her yearly record for butter production was a world's record at the time of making and still stands second. She is from an A. R. O. granddaughter of Mutual Friend 3d's Paul and sired by Johanna Rue 3d's Lad.

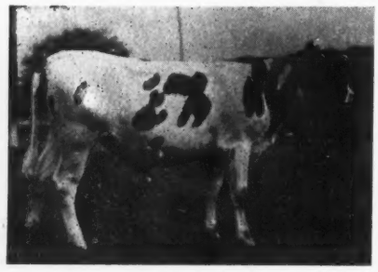
FINDERNE PRIDE JOHANNA KORNDYKE, who is bred along the greatest producing strains of the present age

Twenty-Third S. F. K. P. 6th. Nine months.

Spring Farm King Pontiac 6th. 4 yrs. 6 mos.

Twenty-Fourth S. F. K. P. 6th. Seven months.

Our Last Appearance Here



S. F. K. P. 6th Sjoukje. Eleven months.

S. F. K. P. 6th Baroness. Eleven months.

WITH THIS ISSUE our contract for this space expires. We have been here continually for three years and our principal effort has been to impress on you the desirability of Spring Farm King Pontiac 6th. We were the first breeders to make a page year contract with the *World* and believe that during the last three years we have paid the *World* more money for advertising than any other single breeding establishment. And we are satisfied with the results. We wished to continue this spa e even at the advanced rates, but were informed several months ago that the policy of the *World* hereafter is to give this back page for four weeks to each of its yearly page advertisers and while we dislike to leave, we have no quarrel with the policies of the *World* and are giving this explanation to forestall the questions of some of our friends who may notice our absence.

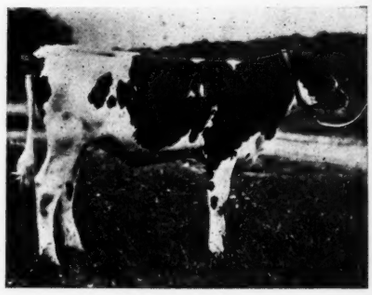
In leaving we are showing you some unretouched snapshots—Spring Farm King Pontiac 6th, two of his sons and seven of his daughters—all taken the same day. The calves were from our calf barn, those older were out in pasture. Our first daughters of Spring Farm King Pontiac 6th freshen in the fall. They are just as good individually as those shown here.

REMEMBER HOW THEY LOOK

In the year just closed our herd won eighteen of the Association's milk and butter prizes. They were in all divisions and in total money won we were among the upper ten. These are the kind of animals we are breeding to Spring Farm King Pontiac 6th.

In closing, while this is our last appearance on the back cover, remember we shall be glad to see you at any time. We'll still be doing business at the same old stand.

S. F. K. P. 6th Nicolo. Nine months.



S. F. K. P. 6th Natoye. Seven months.

HENRY STEVENS & SON

BROOKSIDE STOCK FARM **LACONA, NEW YORK**

Established 1876 **175 Head**

Home of Spring Farm King Pontiac 6th—The bull that puts degree in pedigree and individuality in the animal.

S. F. K. P. 6th Luit. Twelve months.

S. F. K. P. 6th Korndyke. Ten months.

S. F. K. P. 6th Queen. Seven months.